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Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals

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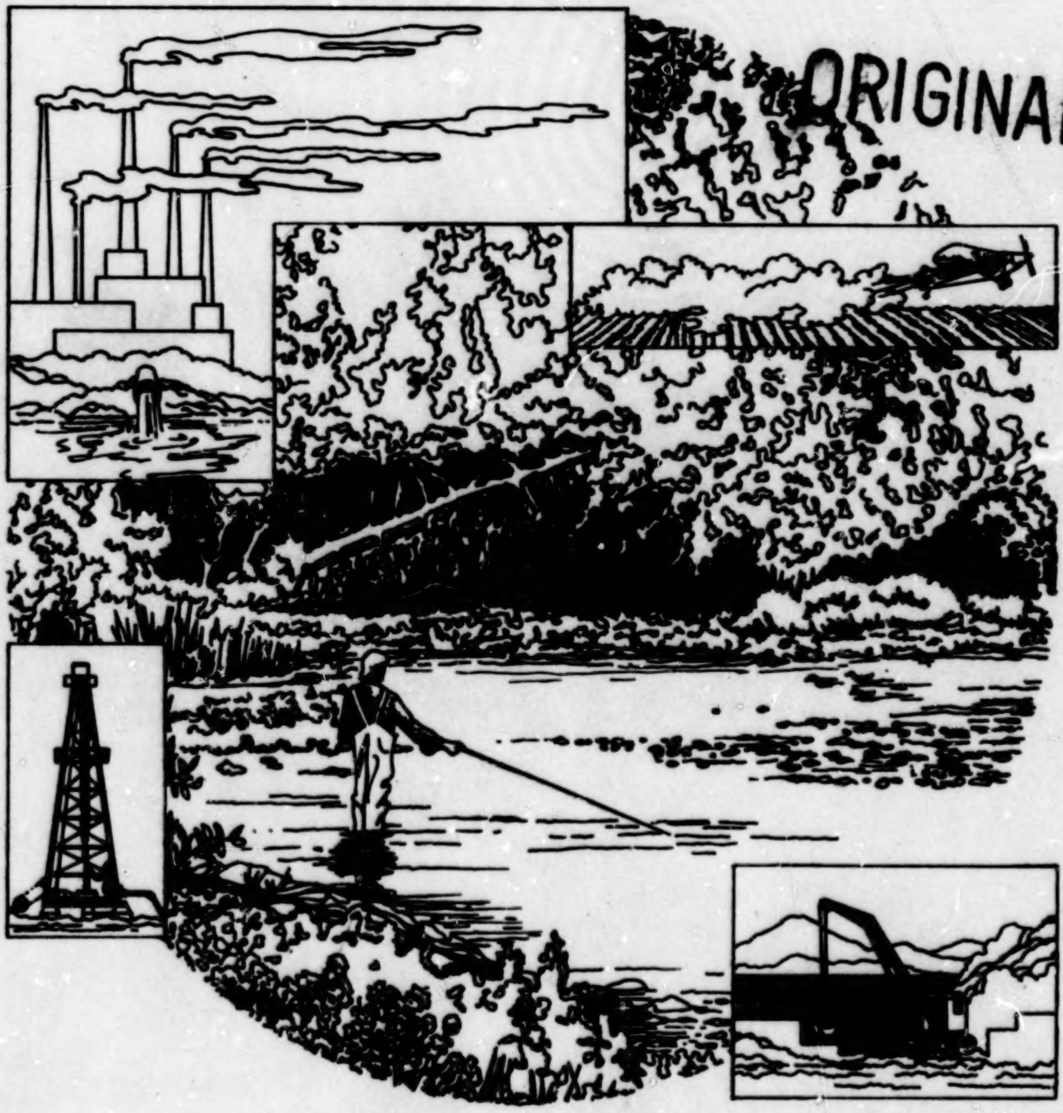

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Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals

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Abstract

All acute toxicity data developed by the Columbia National Fisheries Research Laboratory, U.S. Fish and Wildlife Service, since 1965 were evaluated for quality, and a data base was established for 4,901 tests with 410 chemicals (mainly pesticides) and 66 species of aquatic animals. The data were also analyzed by various statistical approaches to make taxonomic comparisons, and to assess the degree to which various factors affect toxicity. Insects were the most sensitive group, followed by crustaceans, fishes, and amphibians. Among the four most commonly tested forms, daphnids were the most sensitive 58% of the time, followed by rainbow trout, *Salmo gairdneri* (35%), bluegills, *Lepomis macrochirus* (5%), and fathead minnows, *Pimephales promelas* (2%). In comparisons with other species tested with the same chemical, two observations were evident: (1) the lowest of the two LC50's for daphnids and rainbow trout was $<15\times$ that of the most sensitive species 95% of the time, and $<25\times$ 100% of the time; and (2) testing of three species (*Daphnia*, *Gammarus*, and rainbow trout) provided the lowest toxicity value 88% of the time, and could not be improved more than 2.5% by adding any other single species. Interspecies correlation models can be used to predict acute toxicity values, but the confidence limits were smallest when extrapolations were within families. Flow-through toxicity values can be obtained by multiplying static values by 0.51, but the error is likely to be large because ratios of static to flow-through tests differed by 1.8 orders of magnitude. Toxicity of aged test solutions increased by a factor of 2 or more only 11% of the time and never increased by more than a factor of 4; toxicity decreased in 22% of the tests and remained unchanged in 69%. Although pH affected the toxicity of only 20% of the chemicals tested, it caused a greater average

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change in toxicity than did any other factor examined. Temperature affected the toxicity of 40% of the chemicals tested, toxicity generally increasing with increases in temperature—although the toxicity of a few chemicals (DDT, dimethrin, and methoxychlor) decreased. The effect of temperature on toxicity conformed to the Q_{10} concept and was predictable. Temperature increased the toxicity of most chemicals by a factor of 3.1 per 10°C rise in temperature, but the factor for organophosphate insecticides was higher (5.1)—possibly due to the simultaneous increase in acetylcholinesterase (AChE) activity and rate of AChE inhibition. Regression slopes were consistent among species within a chemical for both pH and temperature, indicating chemical rather than biological differences in toxicity. Water hardness had little if any effect on the toxicity of organic chemicals; any effects observed were probably due to pH differences in solutions of differing hardness. Formulations of pesticides increased the toxicity of technical material 32% of the time, and decreased it 11% of the time. The effect of formulation on toxicity was within a factor of 0.2 to 5× 85% of the time, but was as high as 318×. The diet fed to fish before they were tested altered toxicity by as much as 5.7×, but factors of 1.1 to 3.8× would be anticipated within available commercial diets. Source of rainbow trout contributed to variation in toxicity data, differences ranging from 1.8 to 4.7× 88% of the time. Sensitivity of invertebrates and fish decreased as development of the animals progressed and size increased. Differences in toxicity among different life stages of fish were 5× or less 83% of the time. The change in toxicity was usually small within the sizes normally tested.

Of the factors affecting toxicity, the differences were within 5× or less 80% or more of the time, and this generalization included pH and temperature, evaluated on the basis of a 1.0 unit or 10°C change. Generalizations and predictions can be made for comparative toxicity and factors affecting toxicity ≥80% of the time. However, due to inherent variation and frequent exceptions in acute toxicity data, it remains best to test the chemical and species of concern under environmental conditions of interest when precise information is required.

The Federal Insecticide, Fungicide, and Rodenticide Act (PL 80-104), as amended by the Federal Environmental Pesticide Control Act of 1972 and others (7 U.S.C. 136-136y), requires that all formulators and producers of pesticides register their products and establishments with the U.S. Environmental Protection Agency (EPA) on the basis of safety data regarding health and environment. Furthermore, the Toxic Substances Control Act of 1976 (PL 94-469) and the Federal Insecticide, Fungicide, and Rodenticide Act authorize EPA to obtain data from industry on the health and environmental effects of chemical substances and mixtures. Acute toxicity testing plays a major role in the testing requirements involved in both laws, for good reason. In terms of utility for the assessment of hazard to aquatic environments, acute toxicity tests were rated highest of 15 tests evaluated by Brungs and Mount (1978) and Macek et al. (1978). Six criteria were used in the evaluations: ecological significance of effects, scientific and legal defensibility, availability of acceptable methodology, utility of test results in predicting effects in aquatic environments, general applicability to all classes of chemicals, and simplicity and cost of the test.

Toxicologists are well aware of the merits and limitations of the acute toxicity test; yet, there are probably few measurements for evaluating hazard or safety of a chemical to aquatic life that have been as grossly misunderstood. Users of acute toxicity data must bear in mind that the LC50 generally measures only one biological response—a lethal one. Its main value lies in its provision of a relative starting point for hazard assessment, along with the expected environmental concentration, and other measurements (e.g., water solubility, partition coefficient, and degradation rate) of the chemical in question. In addition, the acute toxicity test provides a rapid, cost-efficient way to measure relative toxicity of different forms and formulations of a chemical, toxicity in different types of water, and toxicity to organisms representing different trophic levels (Buikema et al. 1982; Sprague 1970).

One of the greatest needs in acute toxicity testing today is an evaluation of the data already available for its utility and applicability in the assessment of chemical hazard. At present, there is a tendency to dwell on the selection of species for toxicity tests and the biological, chemical, and physical factors affecting acute toxicity, without fully defining the variation in species sensitivity, the extent to which various physicochemical and biological factors affect toxicity, and the probabilities associated with such variation. Assessments of the probability that adverse ecological effects will result from environmental releases of a given contaminant are of primary importance in hazard evaluation. Probabilities should be derived that will reasonably represent acute toxicity to most species—especially the more sensitive ones. However, the probabilities that can be developed today are, for the most part, based on species easily and economically tested, and therefore may or may not include a reasonable portion of the very sensitive species. Furthermore, a hazard assessment is not a one-time estimate. Additional evaluations must be made as the data base and knowledge expand; and at the present state of the art, no scheme or procedure can eliminate the need for sound scientific judgment.

The large acute toxicity data base (Appendix Table A5) used in the analyses presented here is unique in that the research was conducted within one laboratory system and by methods that, for the most part, are the consensus methods in use today (American Society for Testing and Materials 1980; Committee on Methods for Toxicity Tests with Aquatic Organisms 1975). The objectives were as follows:

1. Make available the data base, especially unpublished data.
2. Develop the general statistical relation of relative sensitivities within species, families, and classes.
3. Determine the frequency with which EC50's or LC50's determined with commonly tested species (daphnids; rainbow trout, *Salmo gairdneri*; fathead minnows, *Pimephales promelas*; or bluegills, *Lepomis macrochirus*) are lower than the EC50's or LC50's for all other species tested.
4. Determine if there is a group of three or four test species that would yield the lowest EC50 or LC50 at least 95% of the time.
5. Develop the statistical relation between static and flow-through LC50's.
6. Determine how often the toxicity of an aged test solution is less than that of a fresh solution.
7. Assess the effects of physical, chemical, and biological factors on acute toxicity.

We hope that these data will contribute to the many assumptions, comparisons, and extrapolations required in an ecotoxicology testing scheme for hazard assessment and for other purposes.

Materials and Methods

General

The data base used to prepare this report (Appendix Table A5) was compiled from the results of tests conducted at the Columbia National Fisheries Research Laboratory and its field laboratories in 1965–1984, and judged acceptable according to good laboratory practices. It consists of data from 4,901 tests performed with 66 species of aquatic organisms and 410 chemicals. Not all of the species were tested with every chemical. The species of invertebrates, fishes, and amphibians tested are listed in phylogenetic order (Appendix Tables A1 and A2), and chemicals are arranged alphabetically by common name or trade name where common names do not exist (Appendix Table A4). Toxicity values are expressed as ng/L, μg/L, mg/L, or ml/L. Duration of the toxicity tests was either 48 h (fairy shrimp, *Streptocephalus seali*; daphnids, *Daphnia magna*, *D. pulex*, and *Simocephalus serrulatus*; seed shrimp, *Cypridopsis vidua*; and larval midges, *Chironomus plumosus*) or 96 h (all other species). The chemicals represent all major pesticides, as well as several industrial and inorganic chemicals. Most of the data are on organic chemicals and fishes. Data for invertebrates were often lacking, and are therefore discussed only when adequate data exist.

Portions of the data base (static acute tests on 271 chemicals, 58 species, and 1,587 tests) were previously published by Johnson and Finley (1980). The present data base includes data from tests on 139 additional chemicals. In many of the tests, the following factors were assessed: test type (static or flow-through), aging of test solutions, temperature, pH, hardness, formulation, diet, fish source, and size and life stage. Where the few discrepancies occur between our data and those of Johnson and Finley (1980), the present data should be used. Because we used original data records to prepare this report, the absence of data that were previously published does not necessarily mean that the data were unacceptable: they may have been lost or were unavailable. Furthermore, although some data on certain chemicals did not appear to conform with other test results, the tests were included in the data base because they could not be eliminated on the basis of good laboratory practice.

Static toxicity test procedures with invertebrates and fishes were previously described by Johnson and Finley (1980). Static and flow-through test techniques were generally those of the American Society for Testing and Materials (1980) and the Committee on Methods for Toxicity Tests with Aquatic Organisms (1975). Test procedures for amphibians (tadpoles) were those described by Sanders (1970). The level of statistical significance in all tests was $P \leq 0.05$.

Statistical Analyses

Comparative Toxicity

Taxonomic comparisons. The data set analyzed included most of the data in Appendix Table A5, but did not include data from tests on eggs, flow-through tests, or aged test solutions, or tests yielding "less-than" or "more-than" values. The data were analyzed by one-way analyses of variance (Snedecor and Cochran 1967) that included the effect of category (species, family, or class) for each chemical. Log_{10} transformation of toxicity data was used to meet the assumptions for normally distributed data in analysis of variance. The first step in statistical analyses of the data set was to determine the number of repeated measurements (48-h EC50's and 96-h LC50's) within a category for each chemical. This step was necessary to enable derivation of an error term for testing differences among species, families, or classes. The design was not balanced because the numbers of observations in each category were unequal. To determine mean differences among EC50's or LC50's, we used Fisher's least significance difference (LSD), and sum of ranks/*n* analyses, based on the log of the values or means that were used for comparisons of sensitivity. Frequency analysis by inspection—determination of how often the EC50 or LC50 of one taxonomic group was greater or less than that of others—was also used.

Interspecies comparisons and correlations. Interspecies comparisons were made by summing ranks/*n* and frequency analysis by inspection—determining how often the EC50 or LC50 for one species was greater or less than that for others. The values used for comparisons were log values; their derivation is described in the materials and methods for taxonomic comparisons.

We conducted interspecies correlations, using Model II least squares methodology (Snedecor and Cochran 1980), on daphnids (*Daphnia magna* or *D. pulex*, or both), rainbow trout, fathead minnows, and bluegills with other species. A standardized data set was established from Appendix Table A5 for these analyses, to reduce variation. The data set was based mainly on technical materials, and water temperature, pH, and hardness conformed to the requirements of American Society for Testing and Materials (1980) and the Committee on Methods for Toxicity Tests with Aquatic Organisms (1975); data were not included from tests on eggs, flow-through tests, or aged test solutions, or tests having "less-than" or "more-than" values. Acceptable fish weights were 0.2 to 1.5 g. The coefficient of variation for a species with three or more tests on a chemical (all fishes) averaged 37% (range, 3–115%) for toxicity values in the standardized data set, whereas the data used in the comparative toxicity section on species averaged 65% (range, 13–215%). Slopes and intercepts were derived from the equation $\log Y = a + b(\log X)$, where X equaled toxicity values for one of the four species previously mentioned and Y equaled toxicity values for other species. Paired tests on five or more chemicals were the minimum requirement for inclusion in the analyses. When either one of the paired values included more than one EC50 or LC50 value, the logs of the individual values were averaged.

Frequency distribution of toxicity. Estimates of frequency distributions of toxicity of all chemicals for the categories of species, class, and all taxa combined were performed with the standardized data set. Each chemical was classified by the following 48-h EC50 or 96-h LC50 concentrations (µg/L): <0.01, $0.01 < 0.1$, $0.1 < 1.0$, $1.0 < 10$, $10 < 100$, $100 < 1{,}000$, $1{,}000 < 10{,}000$, $10{,}000 < 100{,}000$, or $\geq 100{,}000$. Frequency distributions of the toxicity classification were then made for each species and class, and for all taxa tested. Only results for 14 of the individual species are presented graphically, but 75% of the tests were conducted with those species.

Static and flow-through tests and aged test solutions. Formulation and categorization of the ratios were used in analyzing data on static and flow-through tests and aged test solutions. Ratios of static to flow-through tests (96-h LC50's) were calculated for 123 paired tests that included 41 chemicals and 19 species. The geometric mean was used when two or more toxicity values existed under similar conditions. The percent incidence of the ratios occurring in three categories was determined: at <0.5, the chemical was more toxic under static than under flow-through conditions; at 0.5–1.5, there was no difference in toxicity between the two types of tests; and at >1.5, the chemical was more toxic under flow-through than under static conditions.

Aged test solutions were compared with fresh test solutions (46 paired tests), under static conditions, for 22 pesticides and 12 species. Solutions were aged for 4 to 28 days, and 96-h LC50's determined on both fresh and aged test solutions. Most comparisons were made at 7 days, for consistency. Deactivation indices (Marking and Dawson 1972) were obtained by dividing the 96-h LC50 of an aged test solution by the 96-h LC50 of the paired fresh solution. Further details about the deactivation index were described by Marking (1972). The percent incidence of the indices was determined for three categories: at <0.5, the chemical was more toxic after aging; at 0.5–1.5, aged and fresh solutions were equally toxic; and at >1.5, aged solutions were the less toxic.

No differences were considered to exist at ratios of 0.5 to 1.5 in comparisons between static and flow-through tests, and between aged and fresh test solutions. Although this ratio range is not statistically exact, it appears to encompass most of the range observed within normal experimental variation. This approach was also used in comparing the toxicity of technical materials with that of formulated pesticides.

Factors Affecting Toxicity

Temperature, pH, and hardness of test solution, and size of test animal. We conducted regression analyses, using Model II least squares methodology, to determine relations between 48-h EC50's or 96-h LC50's and pH, temperature (°C), and hardness (mg/L as $CaCO_3$) of the test water, or size (weight, g) of the test animals. Slopes and intercepts were derived from the equation $\log Y = a + bX$, where Y = the toxicity value and X = pH, temperature, hardness, or size. Only tests containing three or more data points (EC50's or LC50's) for a specific species and chemical combination were used. Analyses of covariance were computed to determine differences between linear slopes for treatment. Also, we tested the hypothesis that the individual linear slopes were equal to zero by using individual regression analyses, as well as by calculating a pooled estimate of the standard error in the analysis of covariance (Snedecor and Cochran 1980). If the slopes had been analyzed individually, they might have differed significantly from zero, but not necessarily with analysis of covariance. Only tests having slopes that differed significantly from zero are presented in tabular form.

Formulation, diet, source, and life stage. Ratios of technical to formulated pesticides (static 48-h EC50's or 96-h LC50's), based on active ingredients, were calculated for 161 paired tests that included 48 chemicals and 16 species. The percent incidence of the ratios occurring in three categories was determined: at <0.5, the formulated pesticide was less toxic than the technical form; at 0.5–1.5, technical and formulated pesticides were equally toxic; and at >1.5, the formulated pesticide was the more toxic.

Differences among 96-h LC50's attributable to diet were determined by comparing means within 95% confidence intervals (Mehrle et al. 1977). Frequency analysis by inspection—how often the 96-h LC50 of one category was greater or less than that of another category—was used for comparisons of fish source and life stage, owing to the small sample sizes and characteristics of the data.

Results and Discussion

Comparative Toxicity

Taxonomic Comparisons

Species. Acute static toxicity data were highly variable among the 63 species tested against 174 chemicals. Some species appeared to be very sensitive or very insensitive overall, but there were also frequent exceptions for the same species. The largest number of species (14 to 25) consistently tested in the total data base were tested with 14 insecticides (2 carbamates, 6 organochlorines, and 6 organophosphates). Data from these tests were compared by sum of ranks/*n* to provide a general sensitivity ranking. In descending order of sensitivity (not necessarily statistically significant), the species ranked as follows: stoneflies (*Claassenia sabulosa*, *Pteronarcys californica*, *Pteronarcella badia*), glass shrimp (*Palaemonetes kadiakensis*), amphipods (*Gammarus fasciatus*), daphnids (*Daphnia pulex*, *D. magna*, *Simocephalus serrulatus*), brown trout (*Salmo trutta*), rainbow trout (*S. gairdneri*), seed shrimp (*Cypridopsis vidua*), largemouth bass (*Micropterus salmoides*), cutthroat trout (*S. clarki*), bluegills (*Lepomis macrochirus*), sow bugs (*Asellus brevicaudus*), coho salmon (*Oncorhynchus kisutch*), yellow perch (*Perca flavescens*), channel catfish (*Ictalurus punctatus*), common carp (*Cyprinus carpio*), black bullheads (*I. melas*), green sunfish (*L. cyanellus*), fathead minnows (*Pimephales promelas*), goldfish (*Carassius auratus*), western chorus frog

(*Pseudacris triseriata*), and Fowler's toad (*Bufo woodhousei fowleri*). Analysis of the standardized data provided a slightly different ranking: stoneflies, glass shrimp, daphnids (*Daphnia magna*, *D. pulex*), amphipods, daphnids (*Simocephalus serrulatus*), rainbow trout, sow bugs, bluegills, largemouth bass, seed shrimp, coho salmon, cutthroat trout, yellow perch, brown trout, channel catfish, common carp, green sunfish, fathead minnows, goldfish, black bullheads, western chorus frog, and Fowler's toad. The rankings should be viewed only as general trends, since not all species were tested with all chemicals, and all the chemicals tested were insecticides. The overall trends for species sensitivity were, however, consistent with those found for family and class groupings.

Among 82 chemicals tested with 6 or more (up to 42) species, the highest toxicity values within a chemical averaged 256× the lowest, and ranged from 2.6 to 166,000×. Average differences were largest for insecticides (868×; range, 5.0 to 166,000×), followed by herbicides, fungicides, and other pesticides ($\bar{x}$, 33×; range, 2.6 to 438×); the few industrials were lowest ($\bar{x}$, 8.8×; range, 3.6 to 127×).

The four forms most commonly tested (*Daphnia magna* or *D. pulex*, rainbow trout, fathead minnows, and bluegills) were compared with each other in tests of 40 chemicals in which all four were tested together. *Daphnia* was the most sensitive 58% of the time, followed by rainbow trout (35%), bluegills (5%), and fathead minnows (2%). Sensitivity was greatly increased in combinations of *Daphnia* and rainbow trout only in that one of the two species was the most sensitive 93% of the time; in the remaining 7%, fathead minnows and bluegills were the most sensitive. However, the rainbow trout was always the next most sensitive species, and the LC50's were never significantly different from those of fathead minnows and bluegills.

Kenaga (1978) reported that no aquatic species was always the least or most sensitive for the 42 compounds he evaluated with rainbow trout, fathead minnows, and bluegills. Blanck et al. (1984), who tested 18 chemicals and an industrial wastewater with 13 green algae, showed that differences in sensitivity among species within a chemical may be as high as a factor of 2,000. Blanck (1982) concluded that no algal species of the 13 tested was generally sensitive or generally insensitive to all chemicals, and that even within a group of organisms such as algae, it is impossible to select a test species with a sensitivity representative of that group. Mount (1982) basically agreed with this assessment when, on the subject of surrogate species, he wrote:

> The point is that we have ample data to prove that a species can only represent itself consistently and not a group.
>
> However, species can be viewed as indicators of sensitivity in quite a different way. We can see that species sensitivity (LC50 or LD50) distributes itself in a rather consistent way for most chemicals. The distribution resembles a log normal one. We can then take the approach of sampling this distribution in order to predict the range about the mean. This is in reality our objective. Thus, each species we test is not representing any other species but is one estimate of general species sensitivity. With several such estimates, the overall range of sensitivity for all species can be determined. Our problem is to know how many species and what type of species to test to adequately represent the whole range.

Birge and Black (1982) also agreed with this concept, and further stated that with as few as three or no more than five aquatic species, it should be possible to establish a "biological response range." Blanck et al. (1984) reported that toxicity values for 3 algal species (randomly selected from the 13 studied) would be within two orders of magnitude of the most sensitive algae tested for 95% of the chemicals, and that a 5-species group would increase predictiveness to 99% of the chemicals. Although Mount (1982) maintained that species must be randomly chosen, he found that for most chemicals, the five most commonly tested species (*Daphnia magna*, *Gammarus*, rainbow trout, fathead minnows, and bluegills) represented a large part of the range of sensitivity of all species tested.

The many chemicals requiring hazard assessment and the lack of testing capabilities to quickly screen such an array of chemicals may require an effective toxicity screening process within a short time, as opposed to the "Surrogate Species Cluster Concept." This assessment is further complicated by the many new chemicals marketed each year (Maki et al. 1979). Kenaga (1978) proposed methods for early assessment of acute toxicity of chemicals to aquatic organisms, which were further expanded by Doherty (1983). Kimerle et al. (1983) analyzed an approach used by the Organization for Economic Cooperation and Development and the U.S. Environmental Protection Agency that includes only two or three species—a daphnid, a fish, and possibly an alga. This latter approach is discussed first, based on our data.

Kimerle et al. (1983) compared the lowest LC50 of the four most commonly tested species to the LC50 of other species tested within 82 chemicals by orders of magnitude. Daphnids (*Daphia magna* or *D. pulex*, or both), rainbow trout, fathead minnows, or bluegills were within an order of magnitude of the most sensitive species 76, 74, 47, and 52% of the time, and within two orders of magnitude 93, 91, 74, and 70% of the time, respectively. Combinations of the three fish species did not improve the percent of chemicals included within one and two orders of magnitude. However, daphnids in combination with one of the three fish species (69 to 81 chemicals) greatly improved the frequency: 90% of the chemicals were within one order of magnitude of the lowest LC50 value and up to 98% were within two orders of magnitude.

The four main species were tested together with 40 chemicals (6 to 42 species per chemical) in our data, and the LC50 comparisons generally agreed with those of Kimerle et al. (1983). Daphnids (*Daphnia magna* or *D. pulex*), rainbow trout, fathead minnows, and bluegills were within an order of magnitude of the most sensitive species 75, 35, 28, and 38% of the time and within two orders of magnitude 90, 65, 58, and 72% of the time, respectively. The testing of daphnids in combination with one of the three fishes increased the frequency to 85% within one order of magnitude and 98 to 100% within two orders of magnitude. More specifically, the exact orders of magnitude to include the most sensitive species tested 100% of the time within the 40 chemicals we examined were 1.40 (25×) for daphnid-rainbow trout combinations, 2.05 (112×) for daphnid-fathead minnows, and 1.87 (74×) for daphnid-bluegills. In other words, one could divide the lowest of the two LC50's for daphnids and rainbow trout by 25 to obtain an estimate of an LC50 that would include the "most sensitive" species, based on the 6 to 42 species examined. The value for daphnid-fathead minnows was 112 and that for daphnid-bluegills was 74. The values that included the most sensitive species 95% of the time for the three combinations of species were 15 for daphnid-rainbow trout, 46 for daphnid-fathead minnows, and 28 for daphnid-bluegills.

As attractive as it may seem, the use of specific factors can lead to overestimation of the toxicity for the most sensitive species with some chemicals. The daphnid-rainbow trout combinations were examined thoroughly within the 40 chemicals, since in the few tests where LC50's for fathead minnows or bluegills were below those for daphnids or rainbow trout, the differences were not statistically significant. Other species were more sensitive than daphnids or rainbow trout to 27 of the 40 chemicals tested—only 0.5 order of magnitude difference in toxicity values included 59% of the 27 chemicals, and one order of magnitude included 85%. However, LC50's of the most sensitive species were significantly less than those of daphnids or rainbow trout in 11 of the 27 chemicals. No particular chemical type was represented by the 11 compounds (aldrin, benomyl, DDD, fenitrothion, fenvalerate, fluridone, heptachlor, lindane, permethrin, Pydraul 50E, and terbufos) except that eight were insecticides. The species having values (*n*) significantly less than those of *Daphnia* or rainbow trout were *Gammarus* (5), *Orconectes nais* (1), *Pteronarcys californica* (2), *Chironomus plumosus* (1), coho salmon (1), and channel catfish (1). If an amphipod (*Gammarus*) was included in the comparisons as a test species, as suggested by Mount (1982), the number of chemicals having a species LC50 significantly less than that for daphnids, amphipods, or rainbow trout was five (12%). The most sensitive species for those five chemicals (Aldrin, benomyl, fluridone, heptachlor, and Pydraul 50E) represented no one particular taxonomic group; they were *Orconectes nais*, *Pteronarcys californica*, *Chironomus plumosus*, coho salmon, and channel catfish.

An approach by Doherty (1983) and Kenaga (1978) was to correlate the LC50's of one species against another for all chemicals tested with those two species, by regression analyses. They each used four species of freshwater organisms (*Daphnia magna* or *D. pulex*, rainbow trout, fathead minnows, and bluegills) in their correlations. The correlations were good in Doherty's study ($r = 0.89$ to 0.97), indicating that the LC50 of one species can be estimated by the substitution of the LC50 of another species in appropriate regression equations. Kenaga found that correlations within the three fish species were also good ($r = 0.85$ to 0.99), but the correlation with *Daphnia* and rainbow trout was poor ($r = 0.56$) with 95% confidence limits of 2.2 to 3.3 orders of magnitude. We also found that the toxicity values for *D. magna* did not correlate well with those for other species (Table 1). This observation with daphnids confirms those by Kenaga (1978) and LeBlanc (1984)—all three data sets consisted of all or mostly

Table 1. *Interspecies correlations*[a] *for acute static LC50's (ng/L) with* Daphnia magna.

Species	n	Intercept (a)	Slope (b)	$\bar{Y}$ ± 95% CL	Correlation coefficient (r)
Daphnia pulex	8	3.031	0.156	3.566 ± 0.497	0.21
Simocephalus serrulatus	9	2.346	0.395[b]	3.690 ± 0.322	0.70
Asellus brevicaudus	5	12.035	−1.963	4.581 ± 1.231	0.83
Gammarus fasciatus	14	1.876	0.611[b]	4.289 ± 0.457	0.82
Gammarus pseudolimnaeus	18	−0.462	1.010[b]	4.912 ± 0.271	0.95
Claassenia sabulosa	5	6.949	−0.999	3.147 ± 0.761	0.78
Pteronarcella badia	7	2.597	0.220	3.497 ± 0.491	0.35
Pteronarcys californica	10	1.475	0.667[b]	4.151 ± 0.938	0.65
Chironomus plumosus	25	0.802	0.846[b]	5.527 ± 0.390	0.86
Coho salmon	8	7.056	−0.531	4.969 ± 1.511	0.36
Cutthroat trout	7	4.943	0.265	6.061 ± 1.159	0.43
Rainbow trout	31	3.208	0.428[b]	5.338 ± 0.387	0.54
Goldfish	6	9.212	−0.941	5.981 ± 1.578	0.48
Common carp	5	10.494	−1.480	5.590 ± 2.032	0.67
Fathead minnow	26	4.743	0.236	5.890 ± 0.478	0.32
Black bullhead	5	10.367	−1.402	5.723 ± 2.529	0.56
Channel catfish	31	5.306	0.095	5.776 ± 0.434	0.12
Green sunfish	6	7.652	−0.591	5.624 ± 1.689	0.31
Bluegill	31	3.140	0.488[b]	5.480 ± 0.432	0.60
Largemouth bass	6	9.548	−1.326	5.013 ± 1.625	0.60
Fowler's toad	5	7.092	−0.438	5.405 ± 0.495	0.65
Western chorus frog	5	7.165	−0.414	5.724 ± 0.606	0.73

[a] $\text{Log } Y = a + b(\log X)$; Y = LC50 for other species, X = LC50 for *Daphnia magna*.
[b] Significantly different from zero ($P \leq 0.05$).

pesticides. The data of Doherty (1983) covered a broader range of chemical types.

For our data, correlations of toxicity values for rainbow trout, fathead minnows, or bluegills were good with those of some invertebrate species, better with those of other fish species, but best with those of other species within the same family (Tables 2 through 4). This general trend was also observed by LeBlanc (1984) and Suter and Vaughn (1985), who concluded that the more distant the relationship between two species, the more different their responses to chemical toxicity. Although toxicity of a chemical for one species can be predicted from the known toxicity of another, it must be remembered that correlation is not necessarily the same as causation in regression analyses, and that the error of estimation in correlation can therefore be large.

In initial hazard assessment testing tiers, Doherty (1983) concluded that *D. magna* should be the species of choice; Kenaga (1978) recommended a daphnid and a fish species; and Kimerle et al. (1983) recommended an alga, a daphnid, and a fish. Considering these studies and the present data, *Daphnia* and rainbow trout appear to be the first two taxa of choice for estimating freshwater animal sensitivity to chemicals in a first tier of testing. Other fish species could be used, but rainbow trout appeared to be the most sensitive overall. When a small margin of safety exists (less than one order of magnitude) between the expected or measured environmental concentration of a chemical and its acute toxicity, a more extensive data base is justified. As judged by our data, the inclusion of tests with amphipods and possibly stoneflies is indicated, to better approximate the toxicity for the most sensitive animal species.

On the basis of the work of Kimerle et al. (1983) and Blanck et al. (1984), algae should be further investigated as a third possible species for first tier testing. Additionally, interspecies correlations and other statistical and mathematical approaches must be expanded to include freshwater and marine species, and both the common and uncommon test species for which data exist.

Table 2. *Interspecies correlations*[a] *for acute static LC50's (ng/L) with rainbow trout.*

Species	*n*	Intercept (*a*)	Slope (*b*)	$\bar{Y} \pm$ 95% CL	Correlation coefficient (*r*)
Daphnia magna	31	1.299	0.687[b]	4.961 ± 0.493	0.54
Daphnia pulex	34	2.368	0.408[b]	4.502 ± 0.492	0.35
Simocephalus serrulatus	35	2.979	0.298	4.555 ± 0.502	0.25
Cypridopsis vidua	9	1.165	0.703[b]	4.390 ± 0.311	0.85
Asellus brevicaudus	15	0.858	0.841[b]	4.854 ± 0.398	0.80
Gammarus fasciatus	45	2.635	0.424[b]	4.855 ± 0.397	0.36
Gammarus lacustris	19	2.219	0.357	4.121 ± 0.489	0.44
Gammarus pseudolimnaeus	22	−0.968	1.067[b]	5.245 ± 0.443	0.83
Claassenia sabulosa	10	1.296	0.434[b]	3.222 ± 0.346	0.74
Pteronarcella badia	12	0.760	0.560[b]	3.729 ± 0.329	0.90
Pteronarcys californica	42	0.990	0.632[b]	4.266 ± 0.363	0.55
Chironomus plumosus	24	−0.135	0.960[b]	5.442 ± 0.411	0.74
Coho salmon	24	0.022	0.985[b]	5.441 ± 0.248	0.95
Chinook salmon	7	0.212	0.962[b]	6.047 ± 0.284	0.98
Cutthroat trout	18	0.726	0.894[b]	5.803 ± 0.178	0.96
Atlantic salmon	11	−0.163	1.026[b]	5.667 ± 0.337	0.95
Brown trout	14	−0.023	1.019[b]	5.478 ± 0.165	0.98
Brock trout	11	−0.804	1.130[b]	5.697 ± 0.186	0.98
Lake trout	8	0.654	0.872[b]	5.627 ± 0.184	0.99
Goldfish	15	1.258	0.878[b]	5.508 ± 0.463	0.86
Common carp	8	1.511	0.832[b]	5.734 ± 0.824	0.78
Fathead minnow	61	0.796	0.928[b]	5.961 ± 0.134	0.94
Black bullhead	8	2.203	0.708[b]	5.553 ± 0.972	0.79
Channel catfish	78	1.391	0.802[b]	5.906 ± 0.160	0.82
Green sunfish	13	1.137	0.849[b]	5.408 ± 0.255	0.96
Bluegill	101	0.1[illegible]5	1.005[b]	5.800 ± 0.084	0.96
Largemouth bass	15	0.258	0.983[b]	5.611 ± 0.339	0.96
Yellow perch	11	1.236	0.834[b]	5.391 ± 0.366	0.94
Fowler's toad	12	3.563	0.456[b]	5.537 ± 0.337	0.70
Western chorus frog	10	3.796	0.448[b]	5.904 ± 0.300	0.85

[a] $\log Y = a + b(\log X)$; Y = LC50 for other species, X = LC50 for rainbow trout.
[b] Significantly different from zero ($P \leq 0.05$).

Families. The relative sensitivity of 34 families of aquatic organisms tested with 203 chemicals varied greatly. The maximum number of families (15) was tested with DDT, endrin, and malathion; they are listed here in descending order of sensitivity: Perlidae, Pteronarcidae, Gammaridae, Daphnidae, Centrarchidae, Palaemonidae, Salmonidae, Astacidae, Cypridae, Asellidae, Ictaluridae, Cyprinidae, Rhagionidae, Bufonidae, and Hylidae. However, some of the families were represented by only one species and others by many. A more complete representation might change the ranking. Although additional comparisons with smaller numbers of families and greater numbers of chemicals altered the ranking to some degree, the overall trend was maintained (e.g., insects were the most sensitive, followed by crustaceans, fishes, and amphibians).

Sensitivity of crustaceans was evaluated with six families and five insecticides, and four families and nine chemicals (eight insecticides and one herbicide). Gammaridae were the most sensitive to the five insecticides (carbaryl, DDT, endrin, malathion, and methoxychlor), followed by the Palaemonidae, Daphnidae, Astacidae, Cypridae, and Asellidae. Sanders (1970) found a different order of sensitivity with herbicides, reporting that Daphnidae were the most sensitive, followed in descending order by Cypridae, Palaemonidae, Asellidae, Gammaridae, and

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Table 3. *Interspecies correlations*[a] *for acute static LC50's (ng/L) with fathead minnows.*

Species	*n*	Intercept (*a*)	Slope (*b*)	$\bar{Y}$ ± 95% CL	Correlation coefficient (*r*)
Daphnia magna	26	2.241	0.442	4.841 ± 0.636	0.33
Daphnia pulex	22	5.741	−0.311	3.996 ± 0.537	0.34
Simocephalus serrulatus	22	5.969	−0.336[b]	4.054 ± 0.455	0.43
Cypridopsis vidua	8	2.649	0.314[b]	4.253 ± 0.381	0.73
Asellus brevicaudus	11	1.446	0.567[b]	4.511 ± 0.404	0.82
Gammarus fasciatus	24	4.744	−0.086	4.270 ± 0.512	0.10
Gammarus lacustris	14	3.107	0.167	4.052 ± 0.457	0.34
Gammarus pseudolimnaeus	14	−1.911	1.123[b]	5.060 ± 0.690	0.80
Claassenia sabulosa	9	1.692	0.303[b]	3.274 ± 0.407	0.71
Pteronarcella badia	11	1.859	0.286[b]	3.[illegible]34 ± 0.180	0.87
Pteronarcys californica	27	2.012	0.326[b]	3.887 ± 0.413	0.42
Chironomus plumosus	18	−0.888	1.082[b]	5.651 ± 0.551	0.73
Coho salmon	17	−0.856	1.038[b]	5.249 ± 0.308	0.96
Cutthroat trout	13	−0.559	1.001[b]	5.731 ± 0.471	0.86
Rainbow trout	61	−0.090	0.947[b]	5.555 ± 0.126	0.95
Atlantic salmon	10	−1.772	1.198[b]	5.736 ± 0.322	0.96
Brown trout	9	−2.225	1.259[b]	5.656 ± 0.571	0.88
Brook trout	11	−1.329	1.134[b]	5.697 ± 0.421	0.92
Goldfish	19	0.572	0.924[b]	5.732 ± 0.189	0.97
Common carp	8	−0.040	0.988[b]	5.734 ± 0.365	0.96
Black bullhead	8	1.411	0.767[b]	5.553 ± 0.664	0.91
Channel catfish	48	0.954	0.832[b]	5.865 ± 0.185	0.88
Green sunfish	12	0.695	0.842[b]	5.472 ± 0.333	0.95
Bluegill	62	0.018	0.954[b]	5.675 ± 0.148	0.93
Largemouth bass	15	−0.433	0.972[b]	5.370 ± 0.423	0.93
Yellow perch	7	−0.110	0.967[b]	5.229 ± 0.322	0.99
Fowler's toad	12	5.075	0.087	5.492 ± 0.399	0.16
Western chorus frog	9	4.776	0.192	5.733 ± 0.391	0.50

[a] Log $Y = a + b(\log X)$; Y = LC50 for other species, X = LC50 for fathead minnows.

[b] Significantly different from zero ($P \leqslant 0.05$).

Astacidae. The nine-chemical comparison resulted in a similar trend of decreasing sensitivity, in the following order: Gammaridae, Daphnidae, Cypridae, and Asellidae. The Cypridae and Asellidae were significantly more sensitive than Daphnidae only to lindane. The Streptocephalidae were tested only with phosmet; the LC50 was higher than that for the other invertebrates tested, but below the range of LC50's for fishes.

Among families, insects were generally the most sensitive, due to the high sensitivity of stoneflies (Perlidae, Perlodidae, and Pteronarcidae) and one family of mayflies (Baetidae). The LC50's for species in other families of insects (Ephemeridae, Coenagrionidae, Gomphidae, Hydropsychidae, Limnephilidae, Culicidae, Rhagionidae, Tendipedidae, and Tipulidae) were within the range of (or generally not statistically significant from) the invertebrate and vertebrate families more commonly tested. However, the LC50's for Tendipedidae were significantly less than those of other families tested within a chemical for fluoridone, metolachlor, oxamyl, piperonyl butoxide, and Santicizer 148.

Macek and McAllister (1970) reported on the sensitivity of fishes to nine insecticides: the Cyprinidae and Ictaluridae were the least sensitive, the Centrarchidae were intermediate, and the Salmonidae were the most sensitive; the Percidae ranked between the Centrarchidae and Salmonidae. In the present study, in tests with the four main fish

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Table 4. *Interspecies correlations*[a] *for acute static LC50's (ng/L) with bluegills.*

Species	n	Intercept (a)	Slope (b)	$\bar{Y} \pm$ 95% CL	Correlation coefficient (r)
Daphnia magna	31	0.649	0.745[b]	4.785 ± 0.529	0.61
Daphnia pulex	25	3.081	0.242	4.339 ± 0.640	0.19
Simocephalus serrulatus	27	3.422	0.186	4.414 ± 0.612	0.16
Cypridopsis vidua	7	1.767	0.593[b]	4.285 ± 0.541	0.76
Asellus brevicaudus	13	0.607	0.887[b]	5.053 ± 0.472	0.86
Gammarus fasciatus	47	1.863	0.546[b]	4.774 ± 0.361	0.49
Gammarus lacustris	19	2.436	0.306	3.992 ± 0.511	0.40
Gammarus pseudolimnaeus	22	−1.117	1.040[b]	5.220 ± 0.386	0.87
Procambarus sp.	5	1.465	0.701	5.589 ± 1.497	0.70
Claassenia sabulosa	10	1.580	0.368[b]	3.222 ± 0.330	0.77
Pteronarcella badia	12	1.724	0.392	3.680 ± 0.546	0.57
Pteronarcys californica	40	0.514	0.732[b]	4.430 ± 0.398	0.63
Chironomus plumosus	25	0.649	0.811[b]	5.458 ± 0.430	0.72
Coho salmon	24	0.222	0.933[b]	5.155 ± 0.233	0.95
Chinook salmon	5	−0.511	1.083[b]	5.788 ± 0.285	0.99
Cutthroat trout	22	0.692	0.876[b]	5.696 ± 0.229	0.90
Rainbow trout	101	0.440	0.898[b]	5.635 ± 0.079	0.96
Atlantic salmon	13	−0.229	1.028[b]	5.426 ± 0.214	0.98
Brown trout	14	−0.691	1.141[b]	5.323 ± 0.251	0.94
Brook trout	11	−0.886	1.139[b]	5.728 ± 0.337	0.95
Lake trout	11	0.237	0.903[b]	5.004 ± 0.197	0.98
Goldfish	17	1.295	0.846[b]	5.644 ± 0.460	0.84
Common carp	8	1.951	0.746[b]	5.734 ± 0.787	0.80
Fathead minnow	62	0.947	0.883[b]	5.931 ± 0.152	0.92
Black bullhead	8	1.696	0.798[b]	5.553 ± 0.883	0.85
Channel catfish	75	1.918	0.713[b]	5.870 ± 0.171	0.78
Green sunfish	15	0.999	0.881[b]	5.486 ± 0.195	0.97
Largemouth bass	15	0.051	1.003[b]	5.408 ± 0.233	0.98
Yellow perch	12	0.078	1.029[b]	5.167 ± 0.432	0.91
Fowler's toad	11	3.996	0.375	5.523 ± 0.400	0.44
Western chorus frog	9	4.412	0.297	5.733 ± 0.339	0.66

[a] Log $Y = a + b(\log X)$; Y = LC50 for other species, X = LC50 for bluegills.
[b] Significantly different from zero ($P \leq 0.05$).

families and 65 chemicals, Salmonidae were the most sensitive, followed by the Centrarchidae, Ictaluridae, and Cyprinidae—a ranking that confirms the observations of Macek and McAllister (1970). However, Percidae ranked between Centrarchidae and Ictaluridae when tests of all five families with 18 chemicals were compared. Five of the six LC50's for Esocidae were below those of five other families (Centrarchidae, Cyprinidae, Ictaluridae, Percidae, and Salmonidae), but the difference was significant only for azinphos methyl. In the few tests conducted with fish of other families, the LC50's for Poeciliidae were within the range for the other families tested and those for the Cichlidae were generally greater, but not significantly so. Only 38% of the fish tests with 65 chemicals showed significant differences among families, and 76% of those differences were between cyprinids and salmonids.

When test data from seven major families tested with 20 insecticides and 1 herbicide were compared, invertebrates were the most sensitive 95% of the time. The Pteronarcidae were the most sensitive, followed by Daphnidae, Gammaridae, Salmonidae, Centrarchidae, Ictaluridae, and Cyprinidae.

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Classes. No one class was always the most sensitive or always the least sensitive. Overall, sensitivity to 163 chemicals decreased in the following order: Insecta, Crustacea, Osteichthyes, and Amphibia. These four classes occurred together in tests of 16 chemicals; Insecta were the most sensitive 50% of the time, followed by Crustacea (31%), Osteichthyes (19%), and Amphibia (0%). The comparisons were not balanced, since the Crustacea were represented by 12 species, Insecta by 21, Osteichthyes by 30, and Amphibia by 2. In other studies (Birge et al. 1980; Black et al. 1982), amphibians (pickerel frog, *Rana palustris*; African clawed frog, *Xenopus laevis*; Fowler's toad) were as tolerant as cyprinids, whereas the leopard frog (*R. pipiens*) and European common frog (*R. temporaria*) were as sensitive as salmonids. However, we believe that the overall trend would not be greatly changed by the addition of more species. In comparisons of Crustacea, Insecta, and Osteichthyes tested with 85 chemicals, the Insecta were the most sensitive 49% of the time, followed by Crustacea (27%) and Osteichthyes (24%). Crustacea were the second most sensitive 51% of the time, and Osteichthyes the least sensitive 55% of the time. Analysis of variance indicated that toxicity was not significantly different among classes for 32 of the 85 chemicals examined: 2 fungicides, 9 herbicides, 7 industrials, 12 insecticides, 1 molluscicide, and 1 surfactant.

Frequency Distribution of Chemical Toxicity

Frequency distributions of EC50's and LC50's tended to be bimodal for many species—the toxicities of insecticides were mainly in the <100 μg/L categories, and those of herbicides, fungicides, industrials, and other chemicals were in the >1,000 μg/L categories (Fig. 1*A*–1*D*). The lower mode contained almost all of the insecticides tested with invertebrates, whereas among fishes, insecticides were spread over more of the toxicity range. Insecticides occurring in the lower modes of fishes were mainly botanicals and organochlorines plus some carbamates and organophosphates. The distribution of chemical toxicities in larval frogs and toads was similar to that for fishes, within the confines of the few chemicals tested against amphibians. For all invertebrates and fishes the higher mode consisted mainly of herbicides and industrials. The trends were the same as those found by Kenaga (1978); insecticides are generally more toxic to animals than are herbicides.

Frequency distributions of EC50's and LC50's among species (352 chemicals, 61 species) ranged over nine orders of magnitude, and 90% fell within five orders of magnitude (Fig. 1*E*). For all the compounds tested within a class, the ranges of EC50 or LC50 values were eight orders of magnitude for Crustacea, seven for Insecta, nine for Osteichthyes, and four for Amphibia (Fig. 1*E*). The frequency distributions for classes were similar to those for species, in that they were bimodal rather than normally distributed for Crustacea, Insecta, and Osteichthyes. The frequency was highest in the low mode (1.0–10 μg/L) for Insecta and in the high mode (1,000–10,000 μg/L) for fish; for Crustacea, frequencies in the two modes (10–100 and 1,000–10,000 μg/L) were about equal. The chemical distribution was similar to that for species, in that insecticides were mainly in the first mode and herbicides, industrials, and others in the second mode. However, insecticides were spread more evenly over the entire range of chemical toxicities for Insecta and Osteichthyes.

If large variations in species response to a variety of chemicals is desirable for differentiating between toxicities of compounds (Kenaga 1978), we can make recommendations for test species. Various chemical toxicities ranged over seven orders of magnitude for *Daphnia magna*, *D. pulex*, *Gammarus fasciatus*, and *G. pseudolimnaeus*; for all other invertebrates this range was six orders of magnitude or less. The range was nine orders of magnitude for rainbow trout and eight orders of magnitude for coho salmon, fathead minnows, and bluegills. The orders of magnitude for all other fish and amphibians ranged from three to seven. However, the data may be somewhat misleading, since not all species were tested with all chemicals. Also, an upper limit of testing (100–1,000 mg/L), though appropriate, may have reduced the full range of toxicities for the generally less sensitive species.

Static and Flow-through Tests

The data set consisted of 123 paired static and flow-through tests with 41 chemicals. Ratios of static to flow-through tests (96-h LC50's) used for analyses ranged from 0.12 to 8.5 (mean, 2.0). The ratios varied considerably among chemicals, but the variation was generally as great among species within a chemical. Static LC50's were more than 1.5× those of flow-through tests 53% of the time, and no differences (ratios of 0.5–1.5) were observed in 37%

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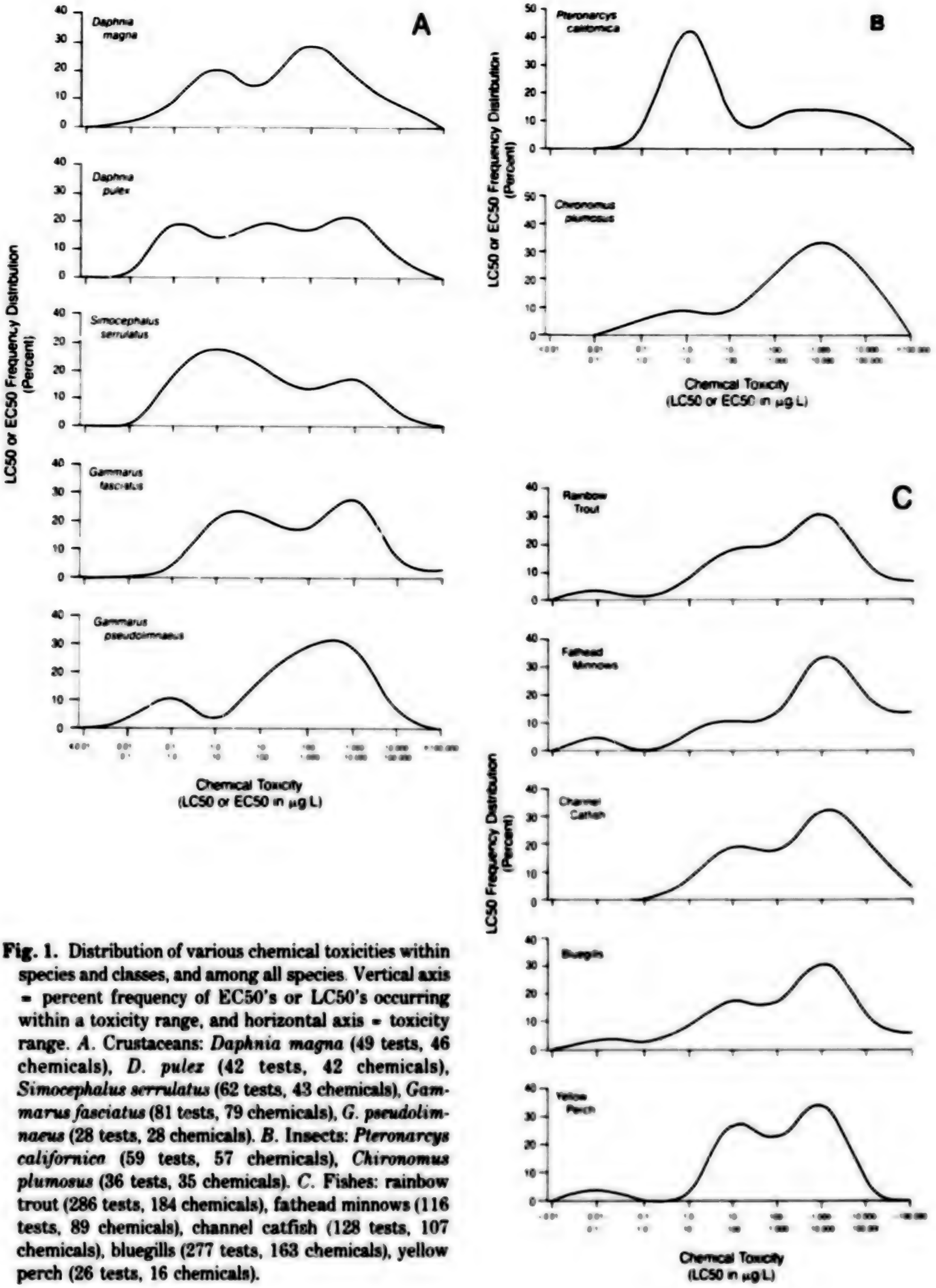

Fig. 1. Distribution of various chemical toxicities within species and classes, and among all species. Vertical axis = percent frequency of EC50's or LC50's occurring within a toxicity range, and horizontal axis = toxicity range. *A*. Crustaceans: *Daphnia magna* (49 tests, 46 chemicals), *D. pulex* (42 tests, 42 chemicals), *Simocephalus serrulatus* (62 tests, 43 chemicals), *Gammarus fasciatus* (81 tests, 79 chemicals), *G. pseudolimnaeus* (28 tests, 28 chemicals). *B*. Insects: *Pteronarcys californica* (59 tests, 57 chemicals), *Chironomus plumosus* (36 tests, 35 chemicals). *C*. Fishes: rainbow trout (286 tests, 184 chemicals), fathead minnows (116 tests, 89 chemicals), channel catfish (128 tests, 107 chemicals), bluegills (277 tests, 163 chemicals), yellow perch (26 tests, 16 chemicals).

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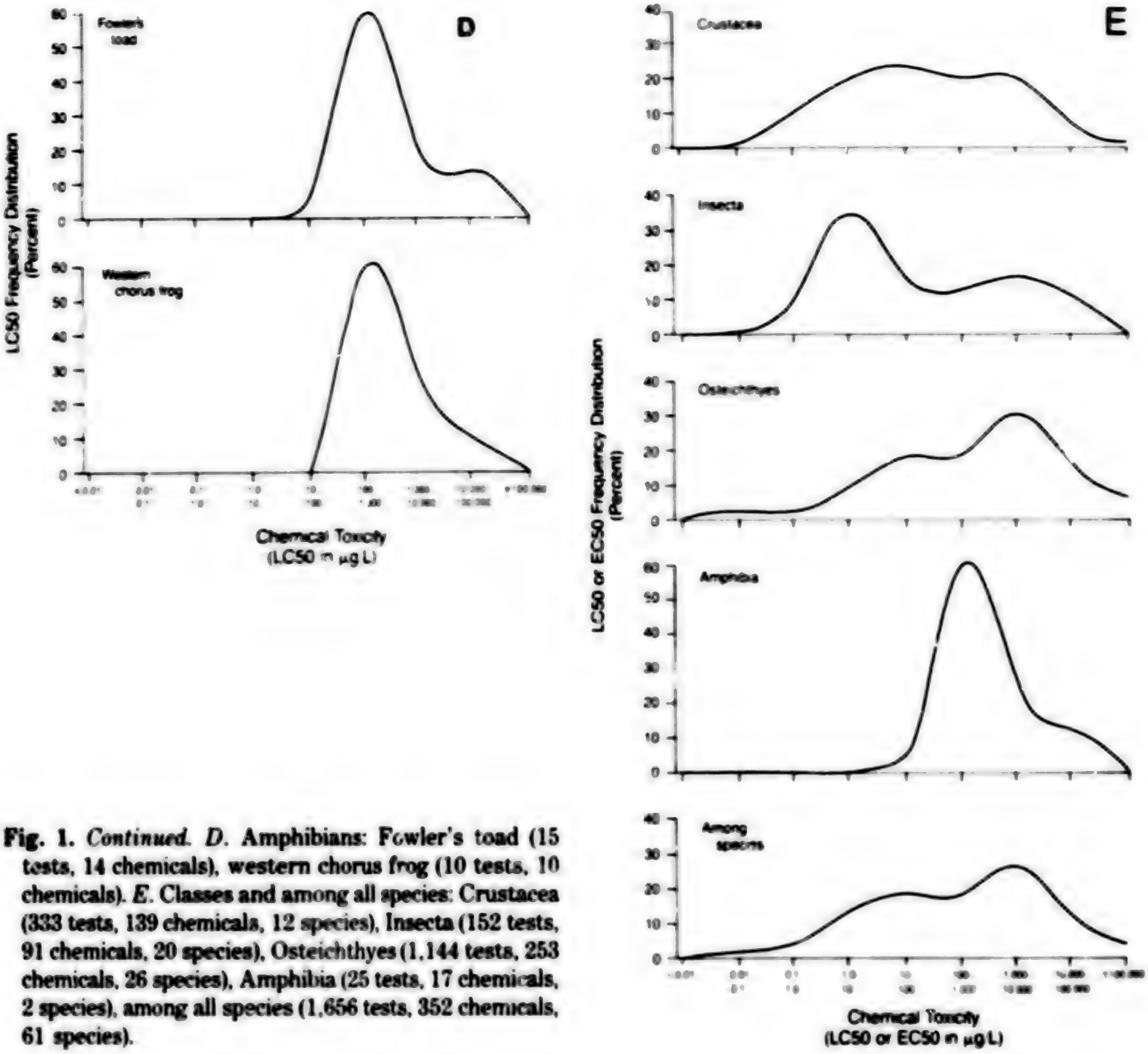

Fig. 1. *Continued. D.* Amphibians: Fowler's toad (15 tests, 14 chemicals), western chorus frog (10 tests, 10 chemicals). *E.* Classes and among all species: Crustacea (333 tests, 139 chemicals, 12 species), Insecta (152 tests, 91 chemicals, 20 species), Osteichthyes (1,144 tests, 253 chemicals, 26 species), Amphibia (25 tests, 17 chemicals, 2 species), among all species (1,656 tests, 352 chemicals, 61 species).

of the tests. The observation that 10% of the ratios were <0.5 could indicate that degradation or hydrolysis products more toxic than the parent compounds were being tested under static conditions.

The eight organochlorine insecticides had one of the highest average ratios (2.5; range, 0.66–6.4) as expected, but the six pyrethrins and pyrethroids had the same average ratio (2.5; range, 0.51–8.5)—which was not expected. However, since the toxicity of pyrethrins and pyrethroids did not decrease with aging (Tables 5 and 6), these chemicals may be somewhat persistent, having a higher static to flow-through ratio, as organochlorine insecticides do. The ratios for four carbamate insecticides (1.8; range, 0.12–3.8) and nine organophosphate insecticides (1.9; range, 0.27–7.5) were similar to those of the two fungicides (2.1; range, 0.75–3.6); the ratios for nine herbicides (1.4; range, 0.32–3.3) and three industrial compounds (1.4; range, 0.83–2.4) tested were not different from each other.

It was previously reported that static toxicity values can be multiplied by 0.71 to estimate values for flow-through tests (U.S. Environmental Protection Agency 1979). The factor of 0.71 was based on

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the geometric mean of values for 24 pairs of tests on 12 chemicals. Our data for 123 paired tests and 41 chemicals indicate an average factor of 0.51, which varies with chemical type. The use of the factor of 0.51 would only be a crude estimate, however, since the ratios of static to flow-through 96-h LC50's varied by 1.8 orders of magnitude.

Aged Test Solutions

The biological activity of a toxicant, which is responsible for the killing power, decreases as the toxicant is deactivated biologically and chemically over time (Marking 1972). In the absence of adequate analytical methods to measure the half-life of some chemicals in water, Marking (1972) outlined an appropriate bioassay method. His method does not differentiate between chemical degradation, physical removal, and biological inactivation, but does estimate the total activity of a chemical and its degradation products, except as the chemical is removed. The deactivation index, derived by Marking and Dawson (1972) is obtained by dividing the LC50 of an aged test solution by the LC50 of a fresh test solution, and determines both decreases and increases in biological activity.

To determine how often the toxicity of an aged test solution differed from that of a fresh solution, we established a data set with 46 tests on 22 chemicals. Data for dinoseb, glyphosate, mexacarbate, picloram, pyrethrins, and pyrethroids (Table 5) were previously published by Folmar et al. (1979), Mauck et al. (1976, 1977), and Woodward (1976).

Although toxicity increased in some fish species and decreased in others within the same chemical (e.g., aminocarb, fenitrothion, and glyphosate), it appears that deactivation indices between about 0.5

Table 5. *Toxicity (96-h LC50, mg/L) of pesticides in fresh and aged solutions to aquatic organisms in soft water (40–44 mg/L CaCO$_3$) under static conditions.*

Chemical and species	pH	Toxicity of solution: Fresh	Toxicity of solution: Aged 7 days	Deactivation index[a]
Aminocarb				
Rainbow trout	7.2	0.14	0.12	0.86
Atlantic salmon	7.5	2.4	3.5	1.46
Brown trout	7.5	17	8.6	0.51
Bluegill	7.2	0.24	0.24	1.00
Carbaryl				
Isogenus sp.[b]	7.5	0.004	0.007	1.75
Cutthroat trout	7.3	6.8	4.0	0.59
2,4-D butyl ester				
Cutthroat trout	7.4	0.67	0.98	1.46
Lake trout	7.4	0.72	1.3	1.81
2,4-D dimethylamine salt				
Fathead minnow	7.4	760	760	1.00
2,4-D dodecyl/tetradodecyl amine salt				
Fathead minnow	7.4	9.1	2.2	0.24
2,4-D propylene glycol butyl ether ester				
Cutthroat trout	7.4	0.49	1.4	2.86
Lake trout	7.4	1.1	1.4	1.27
Dimethrin				
Bluegill	6.5	0.024	0.028	1.17
	7.5	0.030	0.028	0.93
	9.5	0.029	0.034	1.17
Dinoseb				
Cutthroat trout	7.4	0.071	0.16	2.25

Table 5. *Continued.*

Chemical and species	pH	Toxicity of solution		Deactivation index[a]
		Fresh	Aged 7 days	
Diuron				
Cutthroat trout	7.0	1.5	12	8.00
Rainbow trout	7.5	3.5	4.2	1.20
Lake trout	7.0	2.7	3.2	1.18
d-trans allethrin				
Bluegill	6.5	0.056	0.040	0.71
	7.5	0.056	0.034	0.61
	9.5	0.060	0.074	1.23
EPTC				
Cutthroat trout	7.1	16	16	1.00
Fenitrothion				
Atlantic salmon	7.5	0.33	0.64[c]	1.94
Brown trout	7.5	2.4	1.7	0.71
Brook trout	7.5	1.9	1.7	0.89
Bluegill	7.2	4.3	4.4	1.02
Glyphosate				
Rainbow trout	7.4	9.0	7.6	0.84
Bluegill	7.4	4.0	5.6	1.40
Leptophos				
Rainbow trout	7.4	0.013	0.038	2.92
Methomyl				
Gammarus pseudolimnaeus[b]	7.2	1.0	0.34	0.34
Rainbow trout	7.2	1.4	1.5	1.07
Mexacarbate				
Coho salmon	7.5	23	15	0.65
Bluegill	6.5	23	18	0.78
	8.5	4.0	1.0	0.25
	9.5	1.0	0.92	0.92
Phosmet				
Chironomus plumosus[b]	7.4	3.3	>10[d]	> 3.03
Bluegill	7.2	0.39	>10[d]	>25.64
Phoxim				
Bluegill	7.5	1.0	1.0	1.00
Picloram				
Cutthroat trout	7.4	5.8	4.8	0.83
Pyrethrum				
Bluegill	6.5	0.041	0.066	1.61
	7.4	0.053	0.056	1.06
	9.5	0.087	0.090	1.03
s-Bioallethrin				
Bluegill	6.5	0.039	0.034	0.87
	7.5	0.033	0.044	1.33
Trichlorfon				
Cutthroat trout	7.5	1.7	0.47	0.28

[a] Deactivation index = $\frac{\text{LC50 aged solution}}{\text{LC50 fresh solution.}}$

[b] 48-h LC50.

[c] Solutions aged 14 days.

[d] Solutions aged 4 days.

Table 6. *Distribution of toxicity change of pesticides in test solutions aged for 7 days under acute static conditions.*

Pesticide type	Pesticides (*n*)	Tests (*n*)	Toxicity change distribution (%)[a] None	Decrease	Increase
All chemicals	22	46	69	22	9
All chemicals (pH effects removed)	22	37	68	24	8
Herbicides	9	14	64	29	7
Insecticides	13	23	69	22	9
Carbamates	4	10	80	10	10
Organophosphates	5	9	44	44	11
Pyrethrins and pyrethroids	4	4	100	0	0

[a] Change in toxicity due to aging was determined by the ratio of aged to fresh solutions, and the ratios were categorized by change: none, 0.5–1.5; increase, <0.5; decrease, >1.5.

and 1.5 are probably within the range of normal experimental variation. If this assumption is true, aging did not affect chemical toxicity in 69% of the tests, decreased it in 22%, and increased it in 9% (Table 6). Stability of the chemicals was indicated where no change occurred. The toxicity of aged solutions decreased most in herbicides and increased most in carbamate insecticides.

Toxicities of dinoseb, EPTC, glyphosate, and picloram solutions aged for 7 days remained essentially unchanged. Although the toxicity of dinoseb appeared to decrease slightly and that of picloram to increase, continued aging and testing beyond 7 days showed no real change in toxicity. After 4 weeks of aging, deactivation indices for dinoseb, EPTC, and picloram were 1.22, 1.06, and 1.02, respectively. Conversely, diuron and the 2,4-D group of herbicides continued to decrease in toxicity after 3 to 4 weeks of aging. The one exception was the dodecyl/tetradodecylamine salt of 2,4-D, which increased in toxicity after 7 days of aging.

Essentially no changes occurred in deactivation studies with the carbamate insecticides aminocarb and methomyl. However, tests on *Gammarus pseudolimnaeus* with methomyl indicated some increase in toxicity. Exposure of fish to carbaryl and mexacarbate tended to show that the toxicity of aged solutions exceeded that of fresh solutions. Mauck et al. (1977) reported that mexacarbate hydrolyzes to chemicals that are more toxic than the parent compound before further hydrolyzing to less toxic chemicals. This phenomenon may have been the same for cutthroat trout exposed to carbaryl, since carbaryl hydrolyzes at pH 7.0 and above in aqueous solutions (Aly and El-Dib 1971). However, if hydrolysis products were formed, their toxicity to the stonefly *Isogenus* decreased after carbaryl was aged.

Studies on pyrethrum deactivation demonstrated no change in toxicity with aging at pH 7.5 and 9.5, but deactivation occurred at pH 6.5. Toxicity of dimethrin, *s*-bioallethrin, and *d*-trans allethrin was unchanged.

The biological activity of the organophosphate insecticides leptophos (phosphonothioate) and phosmet (phosphorodithioate) decreased considerably, whereas that of trichlorfon (phosphonate) increased. The responses of fishes to aged phosphorothioates (fenitrothion and phoxim) varied, but tended toward no change in toxicity. However, Eisler (1970) reported that 4 days of aging increased the toxicity of another phosphorothioate (methyl parathion) by 6.6×.

Deactivation studies are useful for determining biological activity of aged solutions of chemicals to aquatic organisms, but toxicity changes should not be of great concern in acute static tests. Chemical toxicity increased (by a factor of 2 or more) only 11% of the time and decreased 13% of the time. Toxicity never increased by more than a factor of 4; however, it decreased by as much as a factor of 25 in one test with phosmet, and the solutions were aged for 4 days—the same duration as that for acute static toxicity tests.

Factors Affecting Toxicity

Temperature

The effect of temperature on toxicity of chemicals to aquatic organisms was reviewed by Cairns et al. (1975*a*,*b*), Johnson (1968), Sprague (1970), and Tucker and Leitzke (1979). Temperature and toxicity are positively correlated for most chemicals: toxicity increases as temperature increases (positive temperature coefficient). Conversely, toxicity of DDD, DDT, and methoxychlor are negatively correlated with temperature and thus have negative temperature coefficients (Tucker and Leitzke 1979). Mauck et al. (1976) demonstrated a negative temperature coefficient in fishes for pyrethrins and several of the pyrethroids as well.

Differences in toxicity due to temperature have been attributed to differences in respiration rate (Weiss and Botts 1957), chemical absorption (Wuhrmann 1952), and excretion and detoxification of chemicals (Sprague 1970). Gammon et al. (1981) reported that the neurophysiological effects of *d*-trans allethrin on the cockroach (*Periplaneta americana*) are excitatory at both high and low temperatures, the temperature-dependent differences being in the types of nerves directly affected. Both peripheral and central nervous systems are affected at 32°C, but only the peripheral system at 15°C. Gammon et al. (1981) concluded that the negative temperature coefficient of allethrin toxicity could be a result of increases in sensitivity of peripheral nerves at low temperatures.

To determine if temperature affects acute toxicity in this data base, we conducted covariance analysis on 48 chemicals and 90 temperature tests for fishes (Table 7). Slopes in 26 tests with 19 chemicals differed significantly from zero. The ratio of the highest to lowest LC50 within a temperature test averaged 9.8 (ratio range, 3.1 to 51) among the 19 chemicals affected. Temperature coefficients were negative for DDT, dimethrin, and methoxychlor. There were also negative temperature coefficients (though not significantly different from zero) for pyrethrins and pyrethroids (fenvalerate, permethrin, and pyrethrum); however, the coefficient was positive for *d*-trans allethrin.

The negative slopes (positive temperature coefficient) were variable, ranging from −0.0218 for diuron to −0.1002 for chlorpyrifos, but were much more consistent among species within a chemical and within chemical groupings. When the slopes were compared with each other (Table 7), they were never significantly different among species within a chemical. Thus, differences were chemically rather than biologically specific. The slopes for the carbamates (aminocarb, carbaryl, and methomyl) were statistically similar, as were those for the organochlorines chlordecone and endrin. Among slopes for the herbicides, only those for diuron and trifluralin differed significantly. The slopes for the organophosphate insecticides varied to some degree, but the variation was reduced by further categorization. Among the slopes for phosphorothioates or phosphorodithioates, only two (phosphorodithioate) differed; the slope for azinphos-methyl and yellow perch was significantly different from that for malathion and bluegills. The slopes for malathion and parathion (phosphorothioate) differed significantly from most tests with trichlorfon, a phosphonate. The slope for the one organophosphate herbicide, merphos (phosphorotrithioate), was not significantly different from the slopes of any of the organophosphate insecticides. The slopes of the three chemicals (DDT, dimethrin, and methoxychlor) having negative temperature coefficients were also not significantly different from each other.

The temperature coefficient (Q_{10}) of respiration generally ranges from 2 to 4, indicating that a 10°C rise in temperature increases the rate of the reaction twofold to fourfold in cold-blooded animals (Giese 1968). Although Cairns et al. (1975*a*,*b*) included this well-known generalization in their review, they did not relate Q_{10} to the effects of temperature on chemical toxicity to aquatic organisms. The application of the Q_{10} concept is appropriate and useful for biologic effects, but was originally applied only to rate constants for nonbiotic reactions and processes. Thus it should apply to rates of reaction of factors that affect bioavailability under static test conditions (e.g., hydrolysis, microbial degradation, photolysis, solubility, sorption-desorption, and vaporization). If test concentrations are not measured, as in the present data, bioavailability could contribute significantly to temperature effects. In regard to the test organisms, the Q_{10} concept may apply not only to the rate of reaction of the toxicant at the site(s) of action, but also to residue dynamics within the organism (e.g., uptake, metabolism, and depuration). We analyzed the slopes (Table 7) to determine if the effects of temperature on toxicity were predictable within chemicals having positive or negative temperature coefficients, and whether the effects were related to the Q_{10} concept.

Table 7. *Effect of temperature on acute static toxicity (96-h LC50) of organic chemicals to fishes.*[a]

Chemical and species	Temperature range (°C)	LC50's (n)	LC50 range (µg/L)	Intercept (a)	Slope[b] (b)	r^2 (%)
Aminocarb						
Brook trout	7-17	3	2,600-9,400	4.3611	-0.0558	100
Yellow perch	7-22	4	1,700-11,700	4.4306	-0.0518	94
Azinphos-methyl						
Yellow perch	7-22	3	2.4-40	2.1678	-0.0820	100
Carbaryl						
Brook trout	7-17	3	680-2,100	3.9842	-0.0645	92
Yellow perch	7-22	4	1,200-13,900	4.6053	-0.0678	98
Chlordecone						
Redear sunfish	7-29	5	29-140	2.3558	-0.0304	100
Chlorpyrifos						
Rainbow trout	2-18	4	1.0-51	1.9361	-0.1002	96
DDT						
Bluegill	7-29	5	1.6-5.8	0.0282	0.0278	89
Dimethrin						
Bluegill	12-22	3	21-85	0.6517	0.0601	94
Diuron						
Bluegill	7-29	5	2,800-9,500	4.2199	-0.0218	74
Endothall, Aquathol K						
Bluegill	7-22	4	343-1,740[c]	6.6683	-0.0467	86
Endrin						
Bluegill	7-29	5	0.19-0.73	0.1008	-0.0258	90
Malathion						
Bluegill	7-29	5	20-87	2.2149	-0.0285	92
Merphos						
Bluegill	12-22	3	8,000-32,000	5.1043	-0.0546	100
Methomyl						
Bluegill	12-27	9	430-2,000	3.6418	-0.0394	75
Methoxychlor						
Brook trout	7-17	12	7.0-30	0.7625	0.0282	42
Parathion						
Bluegill	7-29	5	18-400	2.7551	-0.0421	37
Phosmet						
Bluegill	10-25	8	60-560	3.3188	-0.0664	92
Phoxim						
Coho salmon	7-17	3	215-1,160	3.5472	-0.0732	98
Bluegill	12-22	3	82-432	3.5074	-0.0722	100
Trichlorfon						
Rainbow trout[d]	7-17	21	190-11,400	3.7995	-0.0696	41
Atlantic salmon	7-17	3	580-4,100	4.0731	-0.0849	77
Brook trout	7-17	3	1,100-9,400	4.5889	-0.0932	98
Bluegill[d]	7-17	9	1,720-50,000	4.8566	-0.0867	50
Trifluralin						
Rainbow trout	2-18	7	14-330	2.6653	-0.0777	93
Bluegill	7-29	8	8.4-400	3.2144	-0.0635	70

[a] Log 96-h LC50 in µg/L = $a + b$ (temperature in °C).
[b] Significantly different from zero ($P \leq 0.05$).
[c] mg/L.
[d] Combined temperature effects at four pH's (6.5, 7.5, 8.5, and 9.0).

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The antilog of the slope in the equation log LC50 = $a + b$ (temperature in °C) is, in essence, a factor of change in 96-h LC50 per 1°C. The slopes (Table 7) were multiplied by 10 to derive the log change per 10°C. The average for the 23 chemicals having positive temperature coefficients was 0.6082 (95% confidence limits [CL], 0.5140–0.7024). Thus, the log 96-h LC50 at a 10°C higher temperature can be predicted by subtracting 0.6082 from the log 96-h LC50 of an acute test previously conducted, or 0.6082 would be added for a 10°C decrease in temperature. This is equal to the LC50 increasing by a factor of 4.06 per 10°C decrease in temperature, or decreasing by a factor of 0.25 per 10°C increase. Similar factors for chemicals having negative temperature coefficients could be derived if adequate data were available.

The factor 4.06 (95% CL, 3.26–5.64) tends to be above the coefficients of 2 to 4 mentioned for the Q_{10} concept. Cairns et al. (1975*a*) stated that temperature interactions with organophosphates may be very complex due to the change in acetylcholinesterase (AChE) activity from temperature alone. The results of Hogan (1970) confirmed the increase in AChE activity with increased temperature for bluegills (log AChE = 2.4539 + 0.0165 [°C] or a factor of 1.46 increase per 10°C), and the slopes for the organophosphates tended to be greater than those for other chamicals (Table 7). The average slope was 0.7113 (95% CL, 0.5836–0.8390) for organophosphates alone, and 0.4956 (95% CL, 0.3775–0.6137) for the remaining chemicals.

Increased temperature, by accelerating AChE activity, may simultaneously increase the rate of AChE inhibition by organophosphates. By inspection, the interaction appears to be slightly more than additive, but further research is required to better delineate that interaction. The carbamates did not seem to be affected as much as the organophosphates, on the average, and this decreased effect may be due to differences in modes of action between carbamates and organophosphates in AChE inhibition (O'Brien 1967).

Most reports addressing temperature effects showed that most chemicals, including inorganics, were within or approximated a 2× to 4× increase or decrease in LC50 per 10°C change (Cairns et al. 1975*a*,*b*; DeGraeve et al. 1980; Hashimoto and Nishiuchi 1981; Macek et al. 1969; Mauck et al. 1976; Sanders 1969; Sanders et al. 1983; Schoettger 1970; Schoettger and Mauck 1978; Smith and Heath 1979; Sullivan 1977; Woodward 1976). This observation implies that the effect of temperature on 96-h LC50's for fish generally conforms to the Q_{10} concept.

Although the interactions between temperature and toxicity are not completely understood, interim approaches can be used to estimate effects. When a 96-h LC50 for a chemical has been determined for a fish species (96-h $LC50_1$), the following equations can be used for estimating the effect of a ±10°C change on the 96-h LC50's of chemicals having positive temperature coefficients:

Organophosphates:

$$\log 96\text{-h } LC50_2 = \log 96\text{-h } LC50_1 \pm 0.7113$$

Other chemicals:

$$\log 96\text{-h } LC50_2 = \log 96\text{-h } LC50_1 \pm 0.4956$$

Temperature effects on chemicals with negative temperature coefficients can also be estimated if the temperature coefficient is known. Additional research on temperature and toxicity of chemicals to invertebrates and structure-activity relations of chemicals with temperature is strongly indicated.

Hydrogen Ion Concentration (pH)

Depending on the chemical, the 96-h LC50 either increases or decreases with changes in pH (Johnson 1968; Sprague 1970; Tucker and Leitzke 1979). The toxicity of ionizable organic chemicals (weak acids and bases) is greatly affected by pH—increases in pH decrease the toxicity of acids but increase that of bases (Crandall and Goodnight 1959; Folmar et al. 1979; Goodnight 1942; Holcombe et al. 1980; Kaila and Saarikoski 1977; Kobayashi and Kishino 1980; Konemann and Musch 1981; Levy and Gucinski 1964; Marking 1975; Marking and Olson 1975; McLeay et al. 1979; Saarikoski and Vilukela 1981; Schoettger and Julin 1969; Sills and Allen 1971; Woodward 1976; Zanella 1983). The toxicities differ because un-ionized forms diffuse more readily across fish gills (Maren et al. 1968). Ionic pesticides such as diquat and paraquat might also be influenced by pH (Weber 1972).

It has been generally believed that carbamates and organophosphates undergo rapid hydrolysis under alkaline conditions; therefore, toxicity decreases due to the presence of less toxic hydroxylated products of the parent compounds. O'Brien (1967) reported that organophosphate hydrolysis products are generally poor inhibitors of acetylcholinesterase (AChE); however, inhibitory potency is not reduced in some hydrolysis products, and may even be increased (O'Brien 1967; Schoettger and Mauck 1978; Tucker and Leitzke 1979; Woodward and Mauck

Table 8. *Effect of pH on acute static toxicity (96-h LC50) of organic chemicals to aquatic organisms.*[a]

Chemical and species	pH range	LC50's (n)	LC50 range (μg/L)	Intercept (a)	Slope[b] (b)	r^2 (%)
Aminocarb						
Rainbow trout	7.5-9.5	3	5,000-21,000	6.8928	-0.3116	84
Bluegill	6.5-9.5	4	1,000-10,500	6.4465	-0.3272	84
Yellow perch	6.5-9.0	4	425-7,000	7.5024	-0.5023	69
Benomyl						
Rainbow trout	6.5-8.5	3	160-880	-0.4856	0.3702	82
Bluegill	6.5-8.5	3	1,200-6,400	0.5642	0.3461	71
Carbaryl						
Cutthroat trout	6.5-8.5	3	970-7,100	6.3612	-0.3561	
Yellow perch	6.5-9.0	4	350-4,200	7.5810	-0.5416	80
2,4-D dodecyl/tetradodecyl amine salt						
Fathead minnow	6.5-8.5	6	1,900-8,400	5.9166	-0.2930	86
Dinoseb						
Cutthroat trout	6.5-8.5	3	41-1,350	-3.7844	0.7588	96
Lake trout	6.5-8.5	3	32-1,440	-4.4295	0.8266	91
Diquat						
Bluegill	6.5-9.5	4	115,000-498,000	7.3810	-0.2312	92
Glyphosate						
Rainbow trout	6.5-9.5	4	1,400-7,600	5.2671	-0.2262	66
Mexacarbate						
Coho salmon	6.5-9.0	3	4,000-23,000	7.0636	-0.3702	73
Cutthroat trout	6.0-9.0	3	630-15,800	6.2523	-0.3364	46
Bluegill	6.5-9.5	5	600-22,900	8.5980	-0.5746	86
Phosmet						
Rainbow trout	6.5-9.5	5	105-4,700	-2.1843	0.5711	85
Bluegill	6.5-8.5	3	22-640	-3.7051	0.7319	97
Trichlorfon						
Pteronarcella badia	6.5-8.5	3	5.3-100	6.3414	-0.6379	90
Cutthroat trout	6.5-8.5	3	375-4,750	7.5694	-0.5513	99
Rainbow trout[c]	6.5-9.0	12	210-11,400	6.6397	-0.4337	49
Atlantic salmon	6.5-8.5	4	300-4,400	7.5368	-0.5832	81
Brook trout	6.5-9.0	7	240-9,200	8.6374	-0.6532	85
Bluegill[c]	6.5-9.0	12	1,720-50,000	8.0379	-0.4904	56

[a] Log 96-h LC50 in μg/L = $a + b$(pH).

[b] Significantly different from zero ($P \leq 0.05$).

[c] Combined pH effects at three temperatures (7, 12, and 17°C).

1980). Many of the hydroxylated products of carbamates have pronounced AChE inhibitory activity (O'Brien 1967; Mauck et al. 1977; Schoettger and Mauck 1978; Woodward and Mauck 1980).

Covariance analysis was conducted on 49 chemicals and 100 pH tests (pH range, 6.0–9.5) with fishes and a few aquatic invertebrates. Slopes significantly different from zero were observed in 23 of the tests on 10 chemicals (Table 8). Although pH significantly affected the toxicity of only 20% of the chemicals, it caused greater average changes in 96-h LC50's than did any other factor examined. The ratio of the highest to lowest LC50 within a pH test averaged 16 (range, 4.2 to 45) among the 10 chemicals affected. The slopes were relatively consistent among species within a chemical, indicating chemical rather than biological differences. No significant effects of pH on acute toxicity were found for the nine industrials, two organochlorine insecticides, or five pyrethrin and pyrethroid insecticides tested, although five of the industrials were organophosphate compounds.

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The toxicities of only 2 of the 11 organophosphate insecticides—phosmet and trichlorfon—were significantly affected by pH. The toxicity of phosmet decreased and that of trichlorfon increased within a change of 2 to 3 pH units. O'Brien (1967) reported that phosphates hydrolyze more readily than their corresponding phosphorothionates under alkaline conditions; our data agree, in that eight of the nine organophosphates not affected by pH were thionates of one form or another. The only exception was the phosphate dichlorvos, which is structurally similar to trichlorfon. The 96-h LC50's of dichlorvos for cutthroat trout were the same (170 μg/L) from pH 6.0 to 9.0, and Eisler (1970) found that dichlorvos aged for 4 days was slightly less toxic than fresh material to mummichogs (*Fundulus heteroclitus*). Either dichlorvos is hydrolyzed more slowly than trichlorfon, or the toxicity of the dichlorvos hydrolysis products differs little from that of the parent compound. Trichlorfon rapidly hydrolyzes to dichlorvos under alkaline conditions (O'Brien 1967), and dichlorvos was 2.6 to 350× more toxic than trichlorfon to aquatic organisms. Phosmet, the only thionate significantly affected by pH, differs from the other thionates in being a phthalimide. It is rapidly metabolized by animals to phthalamic acid by amidase cleavage and subsequent hydrolysis (O'Brien 1967).

Carbamate toxicity increased with pH, indicating the formation of toxic hydrolysis products under alkaline conditions (Table 8). Effects of pH were significant with three methyl carbamate insecticides, but not with methomyl (thioacetimidate). However, the toxicity of benomyl, a carbamate fungicide with a chemical structure (benzimidazole) totally different from that of the insecticides, decreased significantly with increasing pH.

The effects of pH on carbamate and organophosphate insecticides corresponded to the age of the test solutions. Toxicity decreased or increased with solution age (Tables 5 and 6) and with increased pH. Thus the impact of pH on toxicity of these chemicals appears to be primarily a hydrolytic phenomenon, although aging does not necessarily involve only hydrolysis.

Many of the herbicides tested were dissociable organic chemicals, but only 4 of 17 were significantly affected by pH (Table 8). Of these four, diquat is cationic and 2,4-D, dinoseb, and glyphosate are dissociable. The toxicity of dinoseb decreased, as would be expected, but the toxicities of dodecyl/tetradodecyl amine salt of 2,4-D and glyphosate increased. When dissolved in water, organic amines convert partly to ions (O'Brien 1967; Sills and Allen 1971), and the increased accumulation of the un-ionized form of dodecyl/tetradodecyl amine at higher pH's could oppose the expected effects of pH on 2,4-D. The glyphosate tested was formulated, and the increased toxicity was due to the surfactant (MON 0818) in the formulation (Folmar et al. 1979). The acidic technical glyphosate was more toxic at pH 6.5 than at pH 9.5. The toxicity of most of the acidic herbicides decreased with increasing pH, as would be expected—though the decreases were not statistically significant.

Predicting the effects of pH on acute toxicity of organic chemicals is difficult because the impact of the effects is varied. We agree with Saarikoski and Viluksela (1981), who reported that pH effects have been poorly analyzed for predicting the toxicity and accumulation of ionizable organic chemicals or the toxicity of those that hydrolyze. Before the effects of pH on bioavailability and toxicity can be adequately predicted, more research relating pH to structure–activity interactions is needed, in which properly designed replications of toxicity tests and appropriate statistical and mathematical analyses are used.

Hardness

Water hardness is known to affect chemical toxicity. Inglis and Davis (1972) and Sprague (1970) reviewed the effects of hardness on chemical toxicity to aquatic organisms. Although the results varied, the toxicity of most inorganic and some organic chemicals was affected by water hardness. We agree with the intimations of Inglis and Davis (1972) and Pickering and Henderson (1964), who found that hardness had little effect on toxicity of organic chemicals, and that any changes were probably due to differences in pH.

Analysis of covariance on 39 tests with 25 organic chemicals (herbicides, insecticides, and solvents) and fishes indicated that the slopes of only two chemicals, dimethylamine and dodecyl/tetradodecyl amine salts of 2,4-D, differed significantly from zero. The increase in hardness (from 12 to 250–300 mg/L as $CaCO_3$) caused a 2.8× increase in the LC50 of the dimethylamine salt (96-h LC50 range, 285 to 800 mg/L) and a 2.1× increase in that of the dodecyl/tetradodecyl amine salt (96-h LC50 range, 1.9 to 4.0 mg/L). The increase in LC50 values was probably due to the increase in pH (1.5 units) between the very soft and very hard test waters. Because 2,4-D is a weak acid (pK_a = 2.80; Weber

Table 9. *Distribution of toxicity change of technical pesticides of various formulations under acute static conditions.*

Formulation	Pesticides (*n*)	Tests (*n*)	Toxicity change distribution (%)[a]		
			None	Decrease	Increase
All Formulations	48	161	57	11	32
Emulsifiable concentrate	23	62	65	11	24
Granular	4	10	50	10	40
Liquid	10	35	66	3	31
Wettable powder	16	39	56	13	31
Other	3	15	13	20	67
Oil disperson	1	3	0	100	0
Oil soluble concentrate	1	11	9	0	91
Spray concentrate	1	1	100	0	0

[a] Change in toxicity due to formulation was determined by the ratio of technical to formulated material, and the ratios were categorized by change: none, 0.5–1.5; decrease, <0.5, increase, >1.5.

1972), its toxicity should decrease in alkaline water. However, toxicity of the dodecyl/tetradodecyl amine salt was the only one of five 2,4-D compounds that increased (rather than decreased) with increasing pH (Table 8), and was the only one of four 2,4-D compounds that increased in toxicity with aging (Table 5). The dodecyl/tetradodecyl amine group may be the main factor in toxicity differences, and may mask the effect of 2,4-D.

Hardness-related toxicity changes of carbamate and organophosphate insecticides have been indicated by others (Schoettger and Mauck 1978; Woodward and Mauck 1980). In these types of chemicals, toxicity changes could be caused by the hydrolysis products, which are formed more rapidly under alkaline pH, as previously discussed.

Formulation

The effects of formulation were determined for 48 pesticides (Table 9). Ratios of 48-h EC50's or 96-h LC50's of technical grade pesticides to those of formulated materials were compared ($n = 161$). A ratio greater than 1.0 indicated increased toxicity of the formulated material and a ratio less than 1.0 indicated decreased toxicity. However, ratios between 0.5 and 1.5 are probably within the range of normal experimental variation, since this range frequently occurred among groups of species (invertebrates or fishes) within a chemical. Overall, toxicity was not affected 57% of the time, decreased 11% of the time, and increased 32% of the time. The average ratios (ranges in parentheses) were as follows: emulsifiable concentrate, 2.5 (0.10 to 24); granular, 1.7 (0.34 to 5.0); liquid, 3.6 (0.08 to 33); oil dispersion, 0.30 (0.14 to 0.47); oil soluble concentrate, 69 (1.2 to 318); spray concentrate, 0.59 (one test); and wettable powder, 1.4 (0.06 to 5.1).

Among the formulations in which toxicity increased, toxicity doubled 61% of the time and increased within a factor of five 80% of the time. The ratios exceeded one order of magnitude in 10% of the tests involving aminocarb, cyprazine, glyphosate, and temephos; liquid formulated aminocarb increased in toxicity as much as 318×. The toxicities of wettable powder and oil dispersion formulations were frequently less than the toxicity of technical material—the wettable powder probably due to chemical adsorption to talc in the formulation, and the oil dispersion formulation due to an altered octanol–water partition coefficient in the presence of petroleum hydrocarbons (Stecher 1983). Hashimoto and Nishiuchi (1981) reported that, in general, emulsifiable concentrates were the most toxic, followed by technical materials, wettable powders, dust, and granules. Pickering et al. (1962) also found emulsifiable concentrates to be slightly more toxic than technical materials. In our study, formulations ranked in order of most toxic to least toxic were oil soluble concentrate, liquid, emulsifiable concentrate, granular, wettable powder, spray concentrate, and oil dispersion.

Materials added to technical chemicals in the preparation of formulations should not be regarded, as they often are, as "inert" ingredients with little or no biological activity. Although the effects of "inerts" on acute toxicity of technical chemicals are

Table 10. *Diet effects on the acute static toxicity of organic chemicals to rainbow trout.*[a]

Chemical and diet	Weight[b] (g)	96-h LC50 (µg/L) LC50	95% Confidence limits
Antimycin A			
Glencoe	1.10	0.032	(0.027–0.038)
Ewos	0.80	0.016	(0.012–0.021)
High protein (45%)	1.10	0.052	(0.044–0.062)
Fish protein concentrate	0.75	0.024	(0.020–0.029)
Carbaryl			
Glencoe	1.10	1,900	(1,590–2,260)
Ewos	0.80	2,080	(1.580–2,730)
High protein (45%)	1.10	2,300	(1,500–3,500)
Fish protein concentrate	0.80	1,360	(900–1,860)
Chlordane			
Oregon Moist	1.00	8.2	(6.1–11)
Glencoe	1.10	9.1	(4.8–17)
Silver Cup	1.00	20	(14–28)
Ewos	1.10	31	(22–43)
Low protein (23%)	1.00	28	(20–41)
High protein (45%)	1.50	47	(38–58)

[a] Handling and feeding (3% body weight/day) were consistent with all three chemicals and the fish source was the same. The chlordane study was conducted at a different time than that with Antimycin A and carbaryl, and initial fish weights differed (0.4 and 0.2 g, respectively). Conditions of the toxicity tests were as follows: chlordane—temperature 12°C, pH 7.1, hardness 44 mg/L; Antimycin A and carbaryl—temperature 10°C, pH 7.4, hardness 40–44 mg/L.

[b] Weight at time of testing.

generally less than 0.5 order of magnitude, they may be as high as 2.5 orders of magnitude. In view of the widespread use of various formulations for pesticides and some industrial chemicals and the alteration in toxicity of the technical chemicals involved, it is evident that further investigation of the toxicology of those formulations is needed.

Diet

Diet affects body composition, physiological and biochemical functions, and nutritional status of the subject, and thereby influences toxicity (Doull 1980). The 96-h LC50 values for rainbow trout exposed to Antimycin A, carbaryl, and chlordane were affected by the type of diet fed 42 days before exposure (Table 10). Proximate analyses of the various diets were reported by Mehrle et al. (1974). The LC50 for trout fed a high protein diet before exposure to Antimycin A was significantly higher than that for trout fed other diets. The LC50's for all dietary groups differed significantly from each other. No significant effects were observed with carbaryl, although it was the least toxic in the group fed the high protein diet.

Significant differences occurred in chlordane toxicity among rainbow trout fed commercial or synthetic diets (Mehrle et al. 1974; Table 10). Differences existed between the group fed the Ewos diet and the other three commercial diets, and between the group fed Silver Cup and the groups fed Glenco and Oregon Moist diets. The difference in LC50's between the fish fed the Oregon Moist and Glenco diets was not statistically significant. The LC50 for the group receiving the high protein diet differed from the LC50's of all other groups, but the groups fed the low protein and Ewos diets were not significantly different. Differences in size of fish fed the various diets may have contributed to the differences in LC50's.

Feeding of protein-deficient diets has resulted in decreased tolerances to organochlorine, organophosphate, and carbamate pesticides in rats (Boyd and Boulanger 1968; Boyd and DeCastro 1968; Boyd and Tanikella 1969). This response was observed for acute toxicities of Antimycin A, carbaryl, and chlordane to rainbow trout, where a decrease in protein in the diet increased pesticide toxicity. However, protein may be only one of the many dietary factors affecting toxicity. Fish fed fish protein concentrate ranged from most susceptible to intermediate when tested against Antimycin A or carbaryl; fish fed

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Table 11. *Acute toxicity (LC50, μg/L) of pesticides to rainbow trout from various sources and steelhead under static conditions.*[a]

Chemical and duration of test (hours)	Source of rainbow trout							
	Donaldson	Iowa	Missouri	Mt. Whitney	New Hampshire	Soap Lake	Wytheville	Steelhead
Antimycin A								
24	>0.087	0.049	0.10	>0.087	0.085	>0.075	0.10	
96	0.013	<0.008	0.019	0.031	0.009	0.007	0.008	
Carbaryl								
24	6,200	2,800	3,900		4,600	4,600	6,100	
96	<750	<320	1,000		<420	1,500	<320	
Carbofuran								
24							680	1,000
96							380	600
Chlordane								
24			44		78	62		13
96			27		20	13		2.9
d-trans Allethrin								
24							14	19
96							14	18
Malathion								
24			160			39		
96			94			4.1		
Trichlorfon								
24							>12,000	>[illegible],000
96							1,800	1,400

[a]Temperature, 12°C; pH, 7.1–7.5; hardness, 40–40 mg/L.

Ewos (58% protein) were the most sensitive to Antimycin A; and the LC50's among the groups of fish fed the commercial diets were not always directly related to dietary protein concentrations. The primary sources of protein in fish food were fish meal, soybean meal, cottonseed meal, and wheat germ meal in the Glenco, Oregon Moist, and Silver Cup diets; fish protein concentrate in the Ewos diet; and casein in the low and high protein diets. Miranda and Webb (1972) reported that the oral toxicity of heptachlor was less for rats fed a low quality protein (gluten) than for rats fed casein; thus both qualitative and quantitative alterations in dietary proteins may affect acute toxicity.

Dietary constituents other than protein may also affect chronic toxicity of chemicals to fish. Mehrle et al. (1977) reported that a diet high in the amino acid methionine increased the toxicity of DDT to rainbow trout, and Mayer et al. (1978) found that increased levels of dietary vitamin C decreased toxaphene toxicity to channel catfish.

The reason for differences in susceptibility to chemicals due to diet is not completely understood. Differences in commercial diets alone altered the 96-h LC50 by an average of 2.3× (range, 1.1 to 3.8×) or 3.6× (range, 1.7 to 5.7×), if synthetic diets were included. However, the type of diet fed before chemical exposure is important, and the standardization of diets fed to aquatic organisms used in toxicological research would help reduce the variation in toxicity data.

Source of Fish

Rainbow trout from seven sources (several strains) and steelhead were tested with seven chemicals in 25 static tests. The ratios of the highest to lowest LC50's (24 h and 96 h) within a chemical ranged from 1.3 to 23 and averaged 4.8 (Table 11). The highest LC50 was 1.3 to 4.7× that of the lowest LC50 77% of the time, but exceptions occurred with chlordane and malathion. When the effects of steelhead were excluded, the highest LC50 was 1.8 to 4.7× the lowest 88% of the time. The sensitivity of steelhead (anadromous rainbow trout) to chlordane far exceeded that of any other trout. Because the weight of steelhead fry was only 12 to 23% of that

Table 12. *Acute static 96-h LC50 values (mg/L) of organic chemicals for various life stages of fishes.*

Chemical and species	Life stage Eyed egg	Yolk-sac fry	Swim-up fry	Advanced fry[a]
Aminocarb				
Rainbow trout	>32	0.036	0.048	0.14
Benomyl				
Rainbow trout		0.28	0.16	0.23
Channel catfish		0.006	0.012	0.029
2,4-D dimethylamine salt				
Fathead minnow	1,450	630	425	320
2,4-D dodecyl/tetradodecyl amine salt				
Rainbow trout	47	7.6	1.4	3.2
Dowell M38N				
Cutthroat trout	1.6	0.28		0.46
Fenitrothion				
Rainbow trout	16	4.3	2.4	2.4
Channel catfish		3.8	1.4	4.8
Fire-Trol 100				
Coho salmon		90	920	>1,500
Rainbow trout		150	780	>1,000
Fire-Trol 931				
Coho salmon		580	930	1,000
Rainbow trout		700	790	940
MBC				
Rainbow trout		0.14	0.32	0.65
Channel catfish		0.007	0.012	0.016
Methomyl				
Rainbow trout		3.2	1.3	2.0
Channel catfish		1.8	<0.56	0.76
Methoxychlor				
Brook trout	>50	0.017	0.015	0.019
Mexacarbate				
Brown trout		16		20
Phos-Chek 202				
Coho salmon		145	200	320
Rainbow trout		105	110	230
Phos-Chek 259				
Coho salmon		145	170	250
Rainbow trout		115	94	160
Phosmet				
Rainbow trout	>10	>10	0.28	0.48
Picloram				
Rainbow trout		8.0	8.0	11
Channel catfish		5.8	6.8	16
Pydraul 50E				
Lake trout		2.8	2.9	1.5
Toxaphene				
Channel catfish		0.008	0.001	0.004
Tretolite JW-8226				
Cutthroat trout	0.048	2.9		2.2
Trifluralin				
Rainbow trout		1.6	0.083	0.086
Channel catfish		0.66	0.33	2.2

[a] Weight = 0.2 to 1.2 g.

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of the other strains tested, size may have accounted for some of the difference in sensitivity, but most probably represented physiological differences. Due to incompleteness of data and the small size of the data base, no rainbow trout from a particular source or of a particular strain could be identified as being the most sensitive. However, differences in LC50's among rainbow trout from different sources within the chemicals tested were similar to the mean interlaboratory differences reported by Lemke (1981) in a round-robin study where different laboratories obtained fish from different sources.

Life Stage and Size

Many investigators have reported the effects of life stage and size of invertebrates and fishes on susceptibility to toxicants. Susceptibility of invertebrates generally decreases with maturity (Sanders and Cope 1968; Sanders 1972). The sensitivity of tadpoles of Fowler's toad to DDT increases as the animals mature (Sanders 1970), whereas that of tadpoles of the southern leopard frog (*Rana sphenocephala*) to toxaphene decreases with age (Hall and Swinford 1980). Similarly, decreases in sensitivity have been observed with increased size in fishes (Anderson and Weber 1975; King 1962; Marking 1966; Mount 1962; Pickering et al. 1962; Surber 1948), although responses varied considerably among the early life stages (Akiyama 1970; Bills and Marking 1976; Dean et al. 1977; Iatomi et al. 1958; Klaverkamp et al. 1977; Mauck et al. 1977; Olson and Marking 1973; Piavis and Howell 1975; Pickering and Vigor 1965; Spotila and Paladino 1979).

Life stage. Analysis of 96-h LC50's for yolk-sac and swim-up fry exposed to 20 chemicals indicated that each was the most sensitive 50% of the time (Table 12). Advanced fry were generally less sensitive than yolk-sac and swim-up fry, but yolk-sac and swim-up fry were less sensitive than advanced fry 3% and 7% of the time, respectively. The ratios of the highest to lowest 96-h LC50 among yolk-sac fry, swim-up fry, and advanced fry averaged 4.5 (range, 1.2 to 36), and were 5.0 or less 83% of the time.

The eyed-egg stage was the least sensitive stage tested, except that it was the most sensitive stage when exposure was to Tretolite JW-8226. Although eggs are generally the least susceptible stage, several exceptions are known. For example, Akiyama (1970) found eggs to be more resistant than fry to two mercurials, but not to a third mercurial. And Mauck et al. (1977) reported that brown trout eggs were significantly more sensitive than yolk-sac fry and fingerlings to mexacarbate. In contrast, TFM was most toxic to green eggs of coho salmon and rainbow trout, followed by swim-up fry and yolk-sac fry; eyed-eggs were the least sensitive (Bills and Marking 1976; Olson and Marking 1973).

Toxicity decreased with increasing maturity in other species that were exposed to different chemicals (shown in parentheses): apple snail, *Pomacea paludosa* (Cutrine-plus); crayfish, *Orconectes nais* (DDT, endrin, malathion, and parathion); and stoneflies, *Pteronarcys californica* (lindane). The 96-h LC50's increased by 1.3× for apple snails (from 1–2 days to 2–4 weeks), 56 to 375× for crayfish (3–5 weeks to maturity), and 4.5× for stonefly naiads (first and second year classes). Although toxicity decreased with age, the change may be small within the stages normally tested. The 96-h LC50's for crayfish exposed to DDT were consistent up to 5 weeks of age (LC50's, µg/L: 1 day, 0.30; 1 week, 0.18; 2 weeks, 0.20; 3 weeks, 0.24; and 5 weeks, 0.90), but increased markedly thereafter (8 weeks, 28; mature, 100).

Fish size. Analysis of covariance was conducted on 27 chemicals used in 51 tests for fish of different weights (Table 13). Toxicity decreased as weight increased, but in only 10 of the equations (six chemicals) were the slopes significantly different from zero. The six regressions with a large range in fish size (antimycin and chlordane) varied in slopes among species, the average being 0.0370 (95% CL, ±0.0213). Ratios of the highest to the lowest LC50 averaged 13 (range, 5.3 to 54) within differences in weight of one to two orders of magnitude.

Most acute toxicity tests are conducted with fish weighing 0.2 to 1.5 g, but of 38 regressions within that size range, only 4 slopes (glyphosate, merphos, toxaphene, and trichlorfon) differed significantly from zero. Ratios of the highest to the lowest LC50 value ranged from 4.9 to 6.2 and averaged 5.6. The slopes for these four chemicals were significantly greater than those for chlordane. However, the four tests with glyphosate, merphos, toxaphene, and trichlorfon represented only 10% of the 38 tests (24 chemicals) in which fish weighing 0.2 to 1.5 g were analyzed; thus size effects would not usually be of great concern in standardized acute toxicity testing, as judged by the range of weights represented here.

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Table 13. *Effect of weight on acute static toxicity (96-h LC50) of organic chemicals to fishes.*[a]

Chemical and species	Weight (g)	LC50's (*n*)	LC50 range (μg/L)	Intercept (*a*)	Slope[b] (*b*)	r^2 (%)
Antimycin A						
Coho salmon	0.9–19	5	0.009–0.06	−1.8883	0.0273	51
Rainbow trout	0.7–107	16	0.009–0.12	−1.7712	0.0167	38
Bluegill	1.2–20	4	0.038–0.20	−1.3390	0.0369	77
Chlordane						
Coho salmon	0.6–19	5	14–80	1.1177	0.0461	87
Rainbow trout	1.2–46	5	10–135	1.3601	0.0187	65
Channel catfish	1.9–18	4	6.7–230	1.1896	0.0764	61
Glyphosate						
Rainbow trout	0.4–1.0	4	1,300–8,300	2.6078	1.4158	77
Merphos						
Bluegill	0.5–0.8	3	1,300–8,000	2.0045	2.3758	75
Toxaphene						
Channel catfish	0.02–0.3	4	0.82–4.2	−0.0429	2.1283	75
Trichlorfon						
Atlantic salmon	0.2–0.6	4	610–2,970	2.4416	1.6326	93

[a] Log 96-h LC50 in μg/L = $a + b$(weight in grams).

[b] Significantly different from zero ($P \leq 0.05$).

Conclusions

1. No one species, family, or class was the most sensitive to all chemicals all of the time.

2. By rank-order comparison, stoneflies (*Claassenia sabulosa*, *Pteronarcys californica*, *Pteronarcella badia*) were the most sensitive aquatic animals tested, followed by glass shrimp (*Palaemonetes kadiakensis*), amphipods (*Gammarus fasciatus*), daphnids (*Daphnia pulex*, *D. magna*, *Simocephalus serrulatus*), brown trout, rainbow trout, seed shrimp (*Cypridopsis vidua*), largemouth bass, cutthroat trout, bluegills, sow bugs (*Asellus brevicaudus*), coho salmon, yellow perch, channel catfish, common carp, black bullheads, green sunfish, fathead minnows, goldfish, western chorus frog, and Fowler's toad. The ranking was slightly altered by standardizing test media characteristics and organism size.

3. Of the four most commonly tested forms compared together, daphnids (*Daphnia magna* or *D. pulex*) were the most sensitive 58% of the time followed by rainbow trout (35%), bluegills (5%), and fathead minnows (2%). However, the sensitivity of daphnids or rainbow trout either equaled or exceeded that of the other two species, as determined by analysis of variance and multiple mean comparisons.

4. When daphnids and rainbow trout were compared with 4 to 40 other species tested with the same chemicals, (a) the lowest of the two LC50's for daphnids and rainbow trout never exceeded 15× the LC50 of the most sensitive species tested 95% of the time, or never exceeded 25× the LC50 of the most sensitive species 100% of the time; and (b) testing of three forms (*Daphnia*, *Gammarus*, and rainbow trout) provided the lowest toxicity value 88% of the time, and could not be improved more than 2.5% by adding any other single species.

5. Interspecies correlation models could be used to predict acute toxicity values, but the confidence limits were smallest when extrapolation was within families.

6. Of the seven major families tested, the Pteronarcidae were the most sensitive, followed by the Daphnidae, Gammaridae, Salmonidae, Centrarchidae, Ictaluridae, and Cyprinidae. The sensitivities of Daphnidae and Gammaridae may be more realistic here than in the species comparisons, since all three daphnid and amphipod species are represented in the family comparisons. Invertebrates were the most sensitive 95% of the time.

7. The class Insecta was the most sensitive 50% of the time, followed by Crustacea (31%), Osteichthyes (19%), and Amphibia (0%).

8. Frequency distributions of chemical toxicity (EC50's or LC50's) were generally bimodal; insecticides were mainly in the <100 μg/L mode, and herbicides, fungicides, industrials, and other chemicals in the >1,000 μg/L mode.

9. Flow-through toxicity values may be estimated by multiplying static values by 0.51, but the error can be large: ratios of static to flow-through tests varied by 1.8 orders of magnitude.

10. Toxicity of aged test solutions increased by a factor of 2 or more only 11% of the time and never increased by a factor of more than 4. Toxicity decreased 22% of the time, and no change occurred in 69% of the tests.

11. Temperature affected the toxicity of 40% of the chemicals tested, generally increasing it. However, the toxicity of a few chemicals (DDT, dimethrin, and methoxychlor) decreased with increasing temperature.

12. The effect of temperature on toxicity conforms to the Q_{10} concept and can be predicted. Temperature increased the toxicity of most chemicals by a factor of 3.1 per 10°C rise in temperature; the factor for organophosphate insecticides was higher (5.1)—possibly due to the simultaneous increase in acetylcholinesterase (AChE) activity and rate of AChE inhibition.

13. Although pH affected the toxicity of only 20% of the chemicals tested, it caused a greater average change in toxicity (16×; range, 4.2 to 45) than did any other factor examined.

14. Regression slopes were consistent among species within a chemical for both pH and temperature, indicating chemical rather than biological differences in toxicity.

15. Hardness had little if any effect on the toxicity of organic chemicals; the negligible effects we observed were probably due to pH differences in solutions of differing hardness.

16. Formulations of pesticides increased the toxicity of the technical material used in preparing them 32% of the time, and decreased it 11% of the time. The effect of formulation on toxicity was within a factor of 0.2 to 5× 85% of the time, but was as high as 318×. Formulations ranked in order of most toxic to least toxic were as follows: oil soluble concentrate, liquid, emulsifiable concentrate, granular, wettable powder, spray concentrate, and oil dispersion. Tests on both formulated and technical pesticides are strongly indicated.

17. Differences in the diet fed to fish before they were tested altered toxicity by as much as 5.7×, but factors of 1.1 to 3.8× would be anticipated within available commercial diets. Standardized diets would help reduce variation in acute toxicity data.

18. Source of rainbow trout contributed to variation in toxicity data; the differences ranged from 1.8 to 4.7× about 88% of the time.

19. Sensitivity of invertebrates and fish decreased with development and increased size. Differences in toxicity among the life stages of fish were 5× or less 83% of the time. The change in toxicity was usually small within the sizes normally tested, and thus size should be of no great concern in standardized acute toxicity testing. However, life stage could be of considerable importance in the natural environment.

20. Of the factors affecting toxicity (except for pesticide formulation), the ratios of the highest to lowest LC50's for a chemical were 5.0 or less 80% or more of the time; this generalization includes pH and temperature, when evaluated on the basis of changes of 1.0 pH unit and 10°C.

21. Generalizations and predictions are accurate for comparative toxicity and factors affecting toxicity 80% of the time. The utility of predictive techniques should be realized, but no single approach correctly predicts acute toxicity under all situations. Factors affecting acute toxicity of a chemical (except pesticide formulations) appear to vary within 5× under standard laboratory conditions. Also, these factors often alter bioavailability of the chemical in the field. Studies involving a range of field conditions, therefore, are strongly indicated to determine the interactions of such factors on both bioavailability and acute toxicity. Species sensitivity varied more than factors affecting toxicity, since toxicity differences between the least to the most sensitive species tested within a chemical averaged two orders of magnitude and were as high as five orders of magnitude. Due to inherent variation and exceptions in acute toxicity data, it is best to test the chemical and species of concern under environmental conditions of interest only when exact information is required.

The acute toxicity test provides a rapid, cost-efficient way of measuring relative toxicity to organisms representing different trophic levels, toxicity in different types of water, and toxicity of different forms and formulations of a chemical. Its main value lies in its use as a relative starting point for determining effects in hazard assessment, along with the expected or measured environmental concentration. Toxicity studies are too often conducted to develop data, without subsequent comprehensive interpretation. We hope that this manual will serve as a guide for future research and bring into focus the pertinent aspects of laboratory studies on acute toxicity, thereby providing a foundation for predictive correlations and hazard assessments.

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Table A1. *Scientific and common names of invertebrates used for acute toxicity testing.*

Class, order, family, genus, and species	Common name
Crustacea	
Anostraca	Fairy shrimps
Streptocephalidae	
Streptocephalus seali	
Cladocera	Waterfleas, daphnids
Daphnidae	
Daphnia magna	
Daphnia pulex	
Simocephalus serrulatus	
Podocopa	Seed shrimps, ostracods
Cypridae	
Cypridopsis vidua	
Isopoda	Aquatic sow bugs
Asellidae	
Asellus brevicaudus	
Amphipoda	Scuds, sideswimmers
Gammaridae	
Gammarus fasciatus	
Gammarus lacustris	
Gammarus pseudolimnaeus	
Decapoda	Crayfishes, shrimps
Astacidae	Crayfishes
Orconectes nais	
Procambarus sp.	
Palaemonidae	Shrimps
Palaemonetes kadiakensis	
Insecta	
Plecoptera	Stoneflies
Perlidae	
Acroneuria sp.	
Claassenia sabulosa	
Perlodidae	
Isogenus sp.	
Isoperla sp.	
Skwala sp.	
Pteronarcidae	
Pteronarcella badia	
Pteronarcys californica	
Ephemeroptera	Mayflies
Baetidae	
Baetis sp.	
Ephemerella sp.	
Ephemeridae	
Hexagenia bilineata	
Odonata	Dragonflies, damselflies
Coenagrionidae	Damselflies
Ischnura verticalis	
Lestes congener	
Gomphidae	Dragonflies
Phiogomphus sp.	
Libellulidae	Dragonflies
Macromia sp.	
Trichoptera	Caddisflies
Hydropsychidae	
Hydropsyche sp.	
Limnephilidae	
Limnephilus sp.	
Diptera	True flies
Culicidae	Phantom midges
Chaoborus sp.	
Rhagionidae	Snipe flies
Atherix variegata	
Tendipedidae	Midges
Chironomous plumosus	
Pentaneura sp.	
Tipulidae	True crane flies
Tipula sp.	
Gastropoda	
Ctenobranchiata	
Ampullariidae	
Pomacea paludosa	Apple snail

Table A2. *Scientific and common names of vertebrates used for acute toxicity testing.*

Class, order, family, genus, and species	Common name
Osteichthyes	
Acipenseriformes	
Polyodontidae	
Polyodon spathula	Paddlefish
Salmoniformes	
Salmonidae	
Oncorhynchus kisutch	Coho salmon
Oncorhynchus tshawytscha	Chinook salmon
Salmo clarki	Cutthroat trout
Salmo gairdneri	Rainbow trout
Salmo salar	Atlantic salmon
Salmo trutta	Brown trout
Salvelinus fontinalis	Brook trout
Salvelinus namaycush	Lake trout
Esocidae	
Esox lucius	Northern pike
Cypriniformes	
Cyprinidae	
Carassius auratus	Goldfish
Cyprinus carpio	Common carp
Notropis blennius	River shiner
Pimephales promelas	Fathead minnow
Catostomidae	
Catostomus catostomus	Longnose sucker
Catostomus commersoni	White sucker
Siluriformes	
Ictaluridae	
Ictalurus melas	Black bullhead
Ictalurus punctatus	Channel catfish
Clariidae	
Clarias batrachus	Walking catfish
Atheriniformes	
Poeciliidae	
Gambusia affinis	Mosquitofish
Perciformes	
Centrarchidae	
Lepomis cyanellus	Green sunfish
Lepomis macrochirus	Bluegill
Lepomis microlophus	Redear sunfish
Micropterus dolomieui	Smallmouth bass
Micropterus salmoides	Largemouth bass
Pomoxis annularis	White crappie
Pomoxis nigromaculatus	Black crappie
Percidae	
Perca flavescens	Yellow perch
Stizostedion vitreum vitreum	Walleye
Cichlidae	
Tilapia mossambica	Tilapia
Amphibia	
Anura	
Bufonidae	
Bufo woodhousei fowleri	Fowler's toad
Hylidae	
Pseudacris triseriata	Western chorus frog

Table A3. *Species list with chemicals tested.*

STREPTOCEPHALUS SEALI 1 TESTS

1	PHOSMET

DAPHNIA MAGNA 110 TESTS

2	ALACHLOR
1	AMDRO
3	AMINOCARB
1	ANTIMYCIN A
1	AZINPHOS-ETHYL
1	BARBAN
1	BENOMYL
1	BENZOTHIAZOLE 2-METHYL MERCAPTO
1	CARBARYL
1	CCA TYPE III
1	CHLORDECONE
1	CHLORFENETHOL
1	CLONITRALIDE
1	CYHEXATIN
1	CYTROL AMITROLE-T
4	DCPA
2	DDD
1	DDT
1	DEF
1	DICAMBA
1	DICHLOROPROPENE
2	DIFLUBENZURON
1	DIOXATHION
1	DIPHENAMIDE
3	ENDRIN
1	ETHION
3	FENITROTHION
1	FENVALERATE
2	FLUCHLORALIN
2	FLUOMETURON
1	FLUORENE
4	FLURIDONE
1	FOSAMINE AMMONIUM
1	FYRQUEL GT
1	GLYPHOSATE
1	HOUGHTO-SAFE 520
1	KRONITEX 200
2	LINURON
1	MALATHION
2	METHOMYL
2	METHYL PARATHION
2	METOLACHLOR
1	METRIBUZIN
1	MIREX
1	MON 0818
1	NITRALIN
2	OXAMYL
1	PARATHION
2	PENTACHLOROPHENOL
1	PENTACHLOROPHENOL (DOWICIDE EC-7)
2	PENTACHLOROPHENOL COPPER SALT
1	PERMETHRIN
1	PHOSFLEX 31P
2	PHOSMET
1	PICLORAM
2	PROFENOFOS
2	PROPACHLOR
1	PYDRAUL 50E
1	SANTICIZER 148
1	SANTICIZER 154
2	SIMAZINE
2	SODIUM SELENITE
1	SRCII SYNFUEL
1	TERBUFOS
1	THANITE
1	TOXAPHENE
2	TRIALLATE
1	TRIFLURALIN
1	WATER GLYCOLS 894-44A
1	WATER GLYCOLS 894-44B
1	WATER GLYCOLS 894-44C
1	XYLENOL DIMETHYLAMINO
1	2,3,4,6-TETRACHLOROPHENOL
3	2,4-D BUTOXYETHANOL ESTER
2	2,4-D DIMETHYLAMINE SALT
1	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
1	6-CHLORO-2-PICOLINIC ACID

DAPHNIA PULEX 45 TESTS

1	ALDRIN
1	ALLETHRIN
1	ARAMITE
1	AZIDE POTASSIUM
1	AZIDE SODIUM
1	AZINPHOS-ETHYL
1	BENZENE HEXACHLORIDE
1	CARBARYL
1	CHLORDANE
1	CHLOROBENZILATE
1	CRYOLITE
1	DALAPON
1	DDD
1	DDT
1	DEAD-X
1	DEMETON
1	DIAZINON
1	DICHLOBENIL
1	DICHLORVOS
1	DIELDRIN
1	DIURON
1	DNOC
1	ENDRIN
1	ETHION
1	FENAC
1	FENTHION
1	HEPTACHLOR
1	LIME SULFUR
1	LINDANE
1	MALATHION
1	METHOXYCHLOR
1	MEVINPHOS
1	MEXACARBATE
1	MIREX
1	NALED
1	PARAQUAT
1	PARATHION
1	PHOSPHAMIDON
1	PROPHAM
1	ROTENONE
1	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER
1	SODIUM ARSENITE
1	TOXAPHENE
1	TRICHLORFON
1	TRIFLURALIN

Table A3. *Continued.*

SIMOCEPHALUS SERRULATUS — 67 TESTS

2	ALDRIN	1	FENAC
1	ALLETHRIN	1	FENTHION
1	ARAMITE	2	HEPTACHLOR
1	AZIDE POTASSIUM	1	LIME SULFUR
1	AZIDE SODIUM	2	LINDANE
1	AZINPHOS-ETHYL	3	MALATHION
3	CARBARYL	2	METHOXYCHLOR
2	CHLORDANE	1	METHYL PARATHION
1	CHLOROBENZILATE	2	MEVINPHOS
1	COUMAPHOS	1	MEXACARBATE
1	CRYOLITE	1	MIREX
1	DALAPON	2	NALED
2	DDD	1	PARAQUAT
2	DDT	2	PARATHION
1	DEAD-X	2	PHOSPHAMIDON
2	DIAZINON	1	PROPHAM
1	DICHLOBENIL	1	ROTENONE
2	DICHLORVOS	1	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER
1	DICROTOPHOS	1	SODIUM ARSENITE
2	DIELDRIN	2	TOXAPHENE
1	DIURON	2	TRICHLORFON
2	ENDRIN	1	TRIFLURALIN
1	ETHION	1	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER

CYPRIDOPSIS VIDUA — 22 TESTS

1	ALDRIN	1	METAM-SODIUM
1	CARBARYL	1	METHOXYCHLOR
1	CLONITRALIDE	1	MOLINATE
1	DDD	1	SILVEX BUTOXYETHANOL ESTER
1	DDT	2	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER
1	DICHLONE	1	SIMAZINE
1	DIPHENAMIDE	1	VERNOLATE
1	ENDRIN	1	2,4-D BUTOXYETHANOL ESTER
1	FENTHION	1	2,4-D DIMETHYLAMINE SALT
1	LINDANE	1	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
1	MALATHION		

ASELLUS BREVICAUDUS — 39 TESTS

1	ANTIMYCIN A	1	METHOXYCHLOR
1	AZINPHOS-METHYL	1	MEVINPHOS
1	BINAPACRYL	1	MEXACARBATE
1	CARBARYL	1	NALED
1	CYTROL AMITROLE-T	1	ORYZALIN
1	DDD	1	OXYDEMETON-METHYL
1	DDT	2	PARATHION
1	DICAMBA	2	PHOSMET
1	DICHLOBENIL	1	PIPERONYL BUTOXIDE
1	DICHLONE	1	SILVEX
1	DIELDRIN	2	SILVEX BUTOXYETHANOL ESTER
1	DIPHENAMIDE	1	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER
1	DIURON	1	TRIFLURALIN
1	ENDRIN	1	VERNOLATE
1	EPTC	1	2,4-D BUTOXYETHANOL ESTER
1	FENTHION	1	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
1	LINDANE	1	2,4,5-T BUTOXYETHANOL ESTER
1	MALATHION	1	6-CHLORO-2-PICOLINIC ACID

GAMMARUS FASCIATUS — 149 TESTS

2	ALDRIN	1	FENAMINOSULF
1	ALLETHRIN	1	FENITROTHION
1	AMINOCARB	1	FENSULFOTHION
2	AMITROLE	1	FENTHION
1	ANILAZINE	1	FOLPET
1	ANTIMYCIN A	1	GLYODIN
1	ARAMITE	2	HEPTACHLOR

x2

Table A3. *Continued.*

(CONT.) GAMMARUS FASCIATUS 149 TESTS

1	AZIDE POTASSIUM
1	AZIDE SODIUM
2	AZINPHOS-METHYL
1	BENEFIN
1	BENSULIDE
1	BENZYL BENZOATE
2	BUFENCARB
1	BUTOXY POLYPROPYLENE GLYCOL
2	BUTYLATE
2	CACODYLIC ACID
1	CARBARYL
1	CARBOPHENOTHION
1	CHLORDANE
1	CHLORFENVINPHOS
1	CLONITRALIDE
2	CRUFOMATE
1	CYANAZINE
1	CYHEXATIN
2	DDD
3	DDT
1	DEAD-X
1	DEET
1	DEF
2	DEMETON
1	DIAZINON
2	DICAMBA
2	DICHLOFENTHION
1	DICHLONE
1	DICROTOPHOS
2	DIELDRIN
1	DINOCAP
2	DIOXATHION
1	DIPHENAMIDE
1	DIQUAT
2	DISULFOTON
1	DIURON
1	DNOC
1	DODINE
1	ENDOSULFAN
1	ENDOTHALL HYDROTHOL 47
1	ENDOTHALL POTASSIUM SALT
2	ENDRIN
1	EPN
1	EPTC
1	ETHION
1	ETHYLENE DICHLORIDE
1	FENAC
2	LETHANE 384
2	LINDANE
3	MALATHION
1	METHOXYCHLOR
2	METHYL PARATHION
1	METHYL TRITHION
3	MEVINPHOS
1	MEXACARBATE
1	MOLINATE
1	MONOCROTOPHOS
1	MSMA
1	NALED
1	NITRALIN
1	NITROFEN
1	NOREA
1	ORYZALIN
2	OXYDEMETON-METHYL
1	PARAQUAT
3	PARATHION
1	PCB AROCLOR 1248
1	PCB AROCLOR 1254
1	PEBULATE
2	PHORATE
2	PHOSMET
3	PHOSPHAMIDON
1	PICLORAM
1	PROPANIL
1	PROPHAM
2	PYRETHRUM
2	RONNEL
1	ROTENONE
1	SILVEX
1	SIMAZINE
1	TEPP
1	TETRADIFON
1	TETRAMINE
2	THANITE
2	TOXAPHENE
1	TRIFLURALIN
1	TRIPHENYLTIN HYDROXIDE
2	VERNOLATE
2	2,4-D BUTOXYETHANOL ESTER
1	2,4-D DIMETHYLAMINE SALT
1	2,4-D ISOOCTYL ESTER
3	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
2	2,4,5-T BUTOXYETHANOL ESTER
1	6-CHLORO-2-PICOLINIC ACID

GAMMARUS LACUSTRIS 28 TESTS

1	BENZENE HEXACHLORIDE
1	CAPTAFOL
1	CARBARYL
1	CARBOPHENOTHION
1	CHLORONITROPROPANE
1	CHLORPYRIFOS
1	COUMAPHOS
1	CROTOXYPHOS
1	DDT
1	DICHLOBENIL
1	DICHLOFENTHION
1	DICHLORVOS
1	DICROTOPHOS
1	DILAN
1	DIMETHOATE
1	ENDOSULFAN
1	ENDOTHALL HYDROTHOL 191
1	ENDRIN
1	FENTHION
1	HEPTACHLOR
1	LINDANE
1	METHOXYCHLOR
1	METHYL DEMETON
1	MEXACARBATE
1	PARATHION
1	PROPOXUR
1	TEMEPHOS
1	TRICHLORFON

GAMMARUS PSEUDOLIMNAEUS 90 TESTS

2	ACEPHATE
9	AMINOCARB
1	MIREX
1	PCB AROCLOR 1242

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Table A3. *Continued.*

(CONT.) GAMMARUS PSEUDOLIMNAEUS 90 TESTS

1	BENOMYL	1	PCB 2,2',4,4',6,6'-HEXACHLOROBIPHENYL
1	BENZOTHIAZOLE 2-METHYL MERCAPTO	1	PCB 2,2',4,5,5'-PENTACHLOROBIPHENYL
4	CARBARYL	1	PCB 2,3,4'-TRICHLOROBIPHENYL
1	CCA TYPE III	1	PCB 2,4-DICHLOROBIPHENYL
1	CHLORDECONE	1	PCB 4,4'-DICHLOROBIPHENYL
1	CLONITRALIDE	1	PERMETHRIN
2	DCPA	1	PHOS-CHEK 202
1	DEF	1	PHOS-CHEK 259
2	DIFLUBENZURON	1	PHOSFLEX 31P
4	FENITROTHION	1	PHTHALATE DI-2-ETHYLHEXYL
1	FENVALERATE	1	PHTHALATE DIBUTYL
1	FIRE-TROL 100	1	PICLORAM
1	FIRE-TROL 931	2	PROFENOFOS
1	FLUCHLORALIN	2	PYDRAUL 50E
4	FLURIDONE	1	SANTICIZER 148
1	FOSAMINE AMMONIUM	1	SANTICIZER 154
1	FYRQUEL GT	1	TERBUFOS
1	GLYPHOSATE	2	TFM
1	HOUGHTO-SAFE 1120	9	TRICHLORFON
1	HOUGHTO-SAFE 520	1	WATER GLYCOLS 894-44A
1	KRONITEX 200	1	WATER GLYCOLS 894-44B
7	METHOMYL	1	WATER GLYCOLS 894-44C
5	METHOXYCHLOR		

ORCONECTES NAIS 30 TESTS

1	BENOMYL	1	HEPTACHLOR
1	CHLORDANE	2	MALATHION
1	CLONITRALIDE	1	METHOXYCHLOR
7	DDT	1	METHYL PARATHION
1	DEF	2	PARATHION
1	DICROTOPHOS	1	PCB AROCLOR 1242
1	DIELDRIN	1	PCB AROCLOR 1254
2	ENDRIN	1	PHTHALATE DIBUTYL
2	FENTHION	1	PYDRAUL 50E
1	GLYPHOSATE	1	TFM

PROCAMBARUS SP. 13 TESTS

1	AZINPHOS-METHYL	1	PARATHION
1	BENOMYL	1	PCB AROCLOR 1254
1	CARBARYL	1	PHOXIM
1	LEPTOPHOS	2	TRICHLORFON
4	MEXACARBATE		

PALAEMONETES KADIAKENSIS 44 TESTS

1	ALDRIN	1	FENTHION
1	ANTIMYCIN A	1	HEPTACHLOR
1	AZINPHOS-METHYL	3	MALATHION
1	BUFENCARB	1	METHOXYCHLOR
1	CACODYLIC ACID	1	MEVINPHOS
1	CARBARYL	2	MEXACARBATE
1	CARBOPHENOTHION	1	MOLINATE
1	CLONITRALIDE	1	NALED
2	DDD	2	PARATHION
2	DDT	1	PCB AROCLOR 1254
1	DICAMBA	1	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER
1	DIPHENAMIDE	1	SIMAZINE
1	DISULFOTON	1	TRIFLURALIN
1	ENDOTHALL HYDROTHOL 191	1	VERNOLATE
2	ENDRIN	2	2,4-D BUTOXYETHANOL ESTER
1	EPN	1	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
1	ETHANOL	1	2,4,5-T BUTOXYETHANOL ESTER
1	ETHION	1	6-CHLORO-2-PICOLINIC ACID

ACRONEURIA SP. 1 TESTS

1	ENDRIN

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Table A3. *Continued.*

CLAASSENIA SABULOSA — 10 TESTS

1	CARBARYL	1	HEPTACHLOR
1	CHLORPYRIFOS	1	MALATHION
1	DDT	1	PARATHION
1	DIELDRIN	1	TOXAPHENE
1	ENDRIN	1	TRICHLORFON

ISOGENUS SP. — 14 TESTS

2	ACEPHATE	2	METHOMYL
6	CARBARYL	2	TRICHLORFON
2	DIFLUBENZURON		

ISOPERLA SP. — 2 TESTS

1	DDT	1	MALATHION

SKWALA SP. — 4 TESTS

2	AMINOCARB	2	FENITROTHION

PTERONARCELLA BADIA — 41 TESTS

3	ACEPHATE	2	METHOMYL
6	AMINOCARB	2	METHOXYCHLOR
4	CARBARYL	1	PARATHION
1	DDT	1	PCB AROCLOR 1016
1	DIELDRIN	1	TEMEPHOS
1	ENDRIN	1	TOXAPHENE
3	FENITROTHION	1	TRETOLITE J-146
1	FENTHION	4	TRICHLORFON
2	GREEN CRUDE OIL	1	2,4-D BUTYL ESTER
1	HEPTACHLOR	1	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
3	MALATHION		

PTERONARCYS CALIFORNICA — 77 TESTS

1	ALDRIN	1	ETHION
1	ALLETHRIN	1	ETHYLENE DICHLORIDE
1	ARAMITE	2	FENAC
1	AZIDE POTASSIUM	1	FENAMINOSULF
1	AZIDE SODIUM	1	FENITROTHION
1	AZINPHOS-ETHYL	1	FENTHION
1	AZINPHOS-METHYL	1	HEPTACHLOR
1	BACILLUS THURINGIENSIS	2	LINDANE
1	BENZENE HEXACHLORIDE	1	MALATHION
1	CAPTAFOL	1	METHIOCARB
1	CARBARYL	1	METHOXYCHLOR
1	CHLORDANE	1	METHYL DEMETON
1	CHLORFENVINPHOS	1	METHYL TRITHION
1	CHLORPYRIFOS	1	MEVINPHOS
1	CLONITRALIDE	1	MEXACARBATE
1	CROTOXYPHOS	3	MOLINATE
1	DALAPON	1	NALED
1	DDD	1	OVEX
1	DDT	1	PARAQUAT
1	DEAD-X	1	PARATHION
1	DEF	1	PHORATE
1	DIAZINON	1	PHOSPHAMIDON
1	DICHLOBENIL	1	PICLORAM
1	DICHLOFENTHION	1	PROPOXUR
1	DICHLORVOS	1	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER
1	DICOFOL	1	SIMAZINE
1	DICROTOPHOS	1	SODIUM ARSENITE
1	DIELDRIN	1	TEMEPHOS
1	DIMETHOATE	1	TERPENE POLYCHLORINATES
1	DISULFOTON	1	TOXAPHENE
1	DIURON	1	TRICHLORFON

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Table A3. *Continued.*

(CONT.) PTERONARCYS CALIFORNICA 77 TESTS

1	DNOC
1	ENDOSULFAN
1	ENDOTHALL HYDROTHOL 191
1	ENDRIN
1	EPN
1	TRICHLORONATE
1	TRIFLURALIN
1	2,4-D BUTYL ESTER
2	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
1	2,4-DB

BAETIS SP. 1 TESTS

1	ENDRIN

EPHEMERELLA SP. 1 TESTS

1	DDT

HEXAGENIA BILINEATA 3 TESTS

1	DDT
1	ENDRIN
1	PARATHION

ISCHNURA VERTICALIS 9 TESTS

1	DDD
1	DIELDRIN
2	ENDRIN
1	METHYL PARATHION
1	PARATHION
1	PCB AROCLOR 1242
1	PCB AROCLOR 1254
1	TFM

LESTES CONGENER 1 TESTS

1	MALATHION

OPHIOGOMPHUS SP. 1 TESTS

1	DDT

MACROMIA SP. 2 TESTS

1	PCB AROCLOR 1242
1	PCB AROCLOR 1254

HYDROPSYCHE SP. 1 TESTS

1	MALATHION

LIMNEPHILUS SP. 1 TESTS

1	MALATHION

CHAOBORUS SP. 1 TESTS

1	DDT

ATHERIX VARIEGATA 4 TESTS

1	DDT
1	ENDRIN
1	MALATHION
1	TOXAPHENE

CHIRONOMUS PLUMOSUS 95 TESTS

6	ACEPHATE
2	ALACHLOR
1	AMDRO
3	AMINOCARB
1	BARBAN
1	BENOMYL
1	BENZOTHIAZOLE 2-METHYL MERCAPTO
1	CHLORDECONE
1	CLONITRALIDE
2	DCPA
2	OXAMYL
2	PENTACHLOROPHENOL COPPER SALT
1	PERMETHRIN
1	PHOSFLEX 31P
8	PHOSMET
1	PHTHALATE DI-2-ETHYLHEXYL
2	PHTHALATE DIBUTYL
1	PHTHALATE 2-ETHYLHEXYL
1	PHTHALIC ACID
2	PROFENOFOS

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Table A3. *Continued.*

(CONT.) CHIRONOMUS PLUMOSUS 95 TESTS

1	DEF
1	DIFLUBENZURON
3	FENITROTHION
1	FENVALERATE
2	FLUCHLORALIN
2	FLUOMETURON
1	FLUORENE
4	FLURIDONE
1	FOSAMINE AMMONIUM
1	FYRQUEL GT
3	GLYPHOSATE
1	HOUGHTO-SAFE 520
1	KRONITEX 200
2	LINURON
2	METHOMYL
2	METOLACHLOR
1	MIREX
1	MON 0818
2	PROPACHLOR
1	PYDRAUL 50E
1	SANTICIZER 148
1	SANTICIZER 154
2	SODIUM SELENITE
1	SRCII SYNFUEL
1	TERBUFOS
6	TOXAPHENE
1	TRIALLATE
1	WATER GLYCOLS 894-44A
1	WATER GLYCOLS 894-44B
1	WATER GLYCOLS 894-44C
1	XYLENOL DIMETHYLAMINO
1	2-ETHYLHEXANOL
2	2,4-D BUTOXYETHANOL ESTER
1	2,4-D DIMETHYLAMINE SALT
1	2,4-D DODECYL/TETRADODECYL AMINE SALT

PENTANEURA SP. 1 TESTS

1	DDT

TIPULA SP. 3 TESTS

1	DDT
1	ENDRIN
1	TOXAPHENE

APPLE SNAIL 6 TESTS

1	AQUA-VATOR
3	CUTRINE-PLUS
1	DIQUAT
1	KOMEEN

PADDLEFISH 1 TESTS

1	ANTIMYCIN A

COHO SALMON 105 TESTS

10	ANTIMYCIN A
3	AZINPHOS-METHYL
2	CAPTAN
5	CARBARYL
1	CARBOFURAN
5	CHLORDANE
2	D-TRANS ALLETHRIN
2	DDT
3	DINITRAMINE
1	DIURON
1	ENDOTHALL AQUATHOL K
1	ENDRIN
1	FENAMINOSULF
1	FENITROTHION
1	FENTHION
4	FIRE-TROL 100
4	FIRE-TROL 931
1	FOLPET
1	HEXACHLOROBENZENE
1	HOUGHTO-SAFE 1120
2	LINDANE
2	MALATHION
1	METHYL PARATHION
15	MEXACARBATE
4	PHOS-CHEK 202
4	PHOS-CHEK 259
9	PHOXIM
1	PHTHALATE DI-2-ETHYLHEXYL
1	POTASSIUM NAPHTHALENEACETATE
1	PYDRAUL 50E
2	PYRETHRUM
2	RESMETHRIN
2	RU-11679
1	SD 16898
1	SD 17250
1	SILVEX
4	TEMEPHOS
1	TOXAPHENE
1	TRICHLORFON

CHINOOK SALMON 35 TESTS

1	ALDRIN
1	CAPTAN
1	CARBARYL
1	HEXACHLOROBENZENE
8	MEXACARBATE
3	PENTACHLOROPHENOL
6	PENTACHLOROPHENOL SODIUM SALT
2	PHOSMET
1	PURIFLOC C-3
1	PYDRAUL 50E
1	PYRETHRUM
3	UREABOR
3	2,4-D DIMETHYLAMINE SALT
3	2,4-D DODECYL/TETRADODECYL AMINE SALT

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Table A3. *Continued.*

CUTTHROAT TROUT 305 TESTS

7	ACEPHATE
9	AMINOCARB
7	ANTIMYCIN A
2	BENZENE HEXACHLORIDE
5	BLACK CRUDE OIL
1	CAPTAN
10	CARBARYL
2	CHLORDANE
4	CHLORPYRIFOS
1	COUMAPHOS
1	CROTOXYPHOS
1	D-D SOIL FUMIGANT
2	DDT
1	DEMETON
2	DIAZINON
2	DICHLOFENTHION
5	DICHLORVOS
2	DICOFOL
1	DIELDRIN
7	DIFLUBENZURON
14	DINOSEB
1	DIOXATHION
15	DIURON
1	DOWELL A170
1	DOWELL F75A
1	DOWELL F75N
1	DOWELL L47
6	DOWELL M38N
1	DOWELL W35
1	DOWICIL 75
1	ENDOTHALL HYDROTHOL 191
1	ENDRIN
2	EPN
15	EPTC
2	ETHION
9	FENITROTHION
5	FENTHION
1	FLIT MLO
8	GREEN CRUDE OIL
3	LEPTOPHOS
2	LETHANE 384
5	MALATHION
1	METHOMYL
5	METHOXYCHLOR
2	METHYL PARATHION
1	METHYL TRITHION
3	MEXACARBATE
1	NALED
2	PARATHION
1	PCB AROCLOR 1221
1	PCB AROCLOR 1232
1	PCB AROCLOR 1242
1	PCB AROCLOR 1248
1	PCB AROCLOR 1254
1	PCB AROCLOR 1260
1	PCB AROCLOR 1262
1	PCB AROCLOR 1268
1	PCB AROCLOR 4465
1	PCB AROCLOR 5442
1	PCB AROCLOR 5460
1	PENTACHLOROPHENOL
1	PENTACHLOROPHENOL (DOWICIDE EC-7)
1	PENTACHLOROPHENOL SODIUM SALT
2	PHORATE
1	PHOTO-DIELDRIN
22	PICLORAM
2	RONNEL
2	TEMEPHOS
2	THANITE
1	TRETOLITE J-146
1	TRETOLITE JN-9045
7	TRETOLITE JW-8226
17	TRICHLORFON
6	ZINC SULFATE
12	2,4-D
17	2,4-D BUTYL ESTER
16	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER

RAINBOW TROUT 917 TESTS

9	ACEPHATE
1	ACETONE
1	AKTON
2	ALACHLOR
2	ALDICARB
6	ALDRIN
1	ALLETHRIN
1	AMDRO
1	AMETRYN
26	AMINOCARB
1	ANILAZINE
20	ANTIMYCIN A
1	APHOLATE
1	AQUA COP
1	AQUA-VATOR
1	ARAMITE
1	ATRAZINE 4L
1	AZIDE POTASSIUM
1	AZIDE SODIUM
1	AZINPHOS-ETHYL
5	AZINPHOS-METHYL
1	BACILLUS THURINGIENSIS
14	BENOMYL
1	BENSULIDE
2	BENTHIOCARB
1	BENZALKONIUM CHLORIDE
1	BENZENE
4	CHLORPYRIFOS
2	CHLORPYRIFOS-METHYL
1	CLARIFITE
1	CLONITRALIDE
1	COPPER SULFATE
1	COPPER-COUNT-N
1	COPPER-COUNT-NS
2	CORREX
1	COUMAPHOS
1	CROTOXYPHOS
1	CRYOLITE
1	CUMYLPHENYL DIPHENYL PHOSPHATE
1	CYANAZINE
1	CYANO(METHYLMERCURI)GUANIDINE
2	D-D SOIL FUMIGANT
1	D-TRANS ALLETHRIN
2	DDD
1	DDE
7	DDT
1	DEAD-X
11	DEF
2	DEMETON
1	DIAZINON
1	DICAMBA
2	DICHLOBENIL
1	DICHLOFENTHION
1	DICHLONE

Table A3. *Continued.*

(CONT.) RAINBOW TROUT 917 TESTS

1	BENZENE HEXACHLORIDE
1	BENZOTHIAZOLE 2-MERCAPTO
1	BENZOTHIAZOLE 2-METHYL MERCAPTO
3	BENZOYLPROP ETHYL
1	BINAPACRYL
2	BOMYL
1	BUTYLATE
2	CAPTAFOL
1	CAPTAN
14	CARBARYL
1	CARBOFURAN
1	CCA TYPE III
1	CHLORAMBEN
1	CHLORBROMURON
19	CHLORDANE
3	CHLORDANE-HCS-3260
2	CHLORDECONE
1	CHLORDIMEFORM
3	CHLORENDATE DIBUTYL
3	CHLORENDATE DIMETHYL
1	CHLORFENVINPHOS
1	CHLORINATED ALPHA OLEFIN 22/44
1	CHLORMEQUAT CHLORIDE
1	CHLOROBENZILATE
1	CHLORONITROPROPANE
1	CHLOROWAX LV
1	CHLOROWAX 40
1	CHLOROWAX 50
6	CHLOROWAX 500C
1	CHLOROWAX 70
1	CHLOROXURON
1	ETHANOL
1	ETHION
2	ETHOFUMESATE
1	ETHYLAN
1	ETHYLBENZENE
1	ETHYLENE DICHLORIDE
2	ETHYLENE GLYCOL
2	FENAC
1	FENAMINOSULF
1	FENAZAFLOR
2	FENBUTATIN-OXIDE
21	FENITROTHION
1	FENSON
2	FENTHION
11	FENVALERATE
4	FIRE-TROL 100
4	FIRE-TROL 931
2	FLAMPROP-METHYL
2	FLUCHLORALIN
3	FLUOMETURON
1	FLUORODIFEN
10	FLURIDONE
2	FOLPET
1	FONOFOS
1	FOSAMINE AMMONIUM
2	FOSPIRATE
9	FYRQUEL GT
1	GERANIOL
1	GLENBAR
1	GLYCEROL
18	GLYPHOSATE
6	HEPTACHLOR
1	HEPTACHLOR EPOXIDE
1	HEXACHLOROBUTADIENE
2	HEXAZINONE
3	HOUGHTO-SAFE 1120
4	HOUGHTO-SAFE 520
1	JODFENPHOS
9	KRONITEX 200
1	DICHLOROPHENYL METHYLSULFONATE
1	DICHLORVOS
1	DICLOFOP METHYL
1	DICOFOL
1	DICROTOPHOS
6	DIELDRIN
8	DIFLUBENZURON
2	DILAN
2	DIMETHOATE
1	DIMETHYL FORMAMIDE
1	DIMETHYLSULFOXIDE
2	DINITRAMINE
1	DINOBUTON
2	DINOCAP
1	DIOXATHION
1	DIPHENAMIDE
1	DIQUAT
1	DISULFOTON
11	DIURON
1	DNOC
2	EMCOL AD-410
4	ENDOSULFAN
1	ENDOTHALL
2	ENDOTHALL AQUATHOL K
1	ENDOTHALL COPPER SALT
1	ENDOTHALL DES-I-CATE
1	ENDOTHALL HERBICIDE 282
1	ENDOTHALL HYDROTHOL 191
1	ENDOTHALL POTASSIUM SALT
6	ENDRIN
1	EPN
2	MIREX
1	MOLINATE
3	MON 0818
1	MONOCROTOPHOS
2	MONOETHANOLAMINE
1	MSMA
5	NALED
2	NEODOL 25-9
1	NITRALIN
4	NITRAPYRIN
1	NONYLPHENYL DIPHENYL PHOSPHATE
2	ORTHO 11775
3	OVEX
2	OXAMYL
2	OXYDEMETON-METHYL
1	OXYTHIOQUINOX
1	PARA-DICHLOROBENZENE
1	PARAQUAT
4	PARATHION
1	PARATHION DITHIOATE ANALOGUE
2	PAROIL 1032
1	PAROIL 1048
1	PAROIL 160
3	PCB AROCLOR 1016
1	PCB AROCLOR 1242
1	PCB AROCLOR 1248
1	PCB AROCLOR 1254
1	PCB AROCLOR 1260
1	PCB 2-CHLOROBIPHENYL
1	PCB 3-CHLOROBIPHENYL
1	PCB 4-CHLOROBIPHENYL
4	PENTACHLOROPHENOL
6	PENTACHLOROPHENOL SODIUM SALT
10	PERMETHRIN
2	PHORATE
1	PHORAZETIM
4	PHOS-CHEK 202
4	PHOS-CHEK 259
1	PHOSALONE

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Table A2. *Continued.*

(CONT.) RAINBOW TROUT 917 TESTS

1	LANDRIN	9	PHOSFLEX 31P
11	LEPTOPHOS	18	PHOSMET
1	LIME SULFUR	1	PHOSPHAMIDON
5	LINDANE	1	PHOXIM
5	MALATHION	1	PHTHALATE DI-2-ETHYLHEXYL
4	MBC	4	PHTHALATE DIBUTYL
1	MCPB	14	PICLORAM
5	MERPHOS	3	PIPERONYL BUTOXIDE
1	METHANOL	2	PROFENOFOS
1	METHIDATHION	1	PROPANIL
1	METHIOCARB	1	PROPHAM
23	METHOMYL	1	PROPOXUR
2	METHOPRENE	1	PROPYLENE GLYCOL
10	METHOXYCHLOR	2	PURIFLOC C-3
2	METHYL PARATHION	2	PYDRAUL 115E
1	METHYL TRITHION	3	PYDRAUL 50E
1	METRIBUZIN	1	PYRETHRUM
1	MEVINPHOS	2	RESMETHRIN
10	MEXACARBATE	2	RONNEL
1	ROTENONE	1	TRANID
1	ROWMATE	1	TREFMID
1	RU-11679	2	TRIALLATE
2	RYANIA	83	TRICHLORFON
1	RYLEX D (2-HYDROXY-4-DODECOXYBENZOPHENONE)	1	TRICHLORONATE
1	RYLEX H (2,4-DIHYDROBENZOPHENONE)	1	TRICLOPYR
1	RYLEX NBC (NICKEL DIBUTYLDITHIO CARBAMATE)	2	TRICRESYL PHOSPHATE
6	SANTICIZER 148	25	TRIFLURALIN
9	SANTICIZER 154	1	TRIPHENYL PHOSPHATE
2	SD 16898	1	TRIPHENYLTIN HYDROXIDE
1	SD 17250	1	UC 10854
1	SD 7438	4	UREABOR
1	SD 8339	1	VERNOLATE
2	SILVEX	4	WATER GLYCOLS 894-44A
1	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER	4	WATER GLYCOLS 894-44B
1	SIMAZINE	4	WATER GLYCOLS 894-44C
1	SODIUM ARSENITE	4	XYLENE
9	TEMEPHOS	1	2,3,4,6-TETRACHLOROPHENOL
1	TEPA	1	2,4-D
1	TEPP	4	2,4-D DIMETHYLAMINE SALT
10	TERBUFOS	8	2,4-D DODECYL/TETRADODECYL AMINE SALT
1	TERBUTRYN	2	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
1	TERPENE POLYCHLORINATES	1	2,4-D/2,4,5-T 24%/28%
1	TETRACHLORVINPHOS	1	2,4-D/2,4,5-T 30%/28%
2	TETRADIFON	1	2,4-D/2,4,5-T 34%/17%
1	TETRAMINE	2	2,4-DB
1	TETRASUL	1	2,4,5-T TRIETHYLAMINE SALT
1	TH 285-N	1	2,6-DICHLOROBENZOIC ACID
1	TH 336-N	1	2,6-DIOCTADECYL-P-CRESOL
1	TOLUENE	1	6-CHLORO-2-PICOLINIC ACID
7	TOXAPHENE		

RAINBOW TROUT DONALDSON 2 TESTS

1	ANTIMYCIN A	1	CARBARYL

RAINBOW TROUT IOWA 2 TESTS

1	ANTIMYCIN A	1	CARBARYL

RAINBOW TROUT MISSOURI 9 TESTS

6	ANTIMYCIN A	1	CHLORDANE
1	CARBARYL	1	MALATHION

RAINBOW TROUT MT. WHITNEY 3 TESTS

3	ANTIMYCIN A		

RAINBOW TROUT NEW HAMPSHIRE 3 TESTS

1	ANTIMYCIN A	1	CHLORDANE
1	CARBARYL		

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Table A3. *Continued.*

RAINBOW TROUT SOAP LAKE 4 TESTS

1	ANTIMYCIN A	1	CHLORDANE
1	CARBARYL	1	MALATHION

RAINBOW TROUT STEELHEAD 13 TESTS

1	CARBOFURAN	3	PYRETHRUM
1	CHLORDANE	2	RESMETHRIN
2	D-TRANS ALLETHRIN	2	RU-11679
1	PHOXIM	1	TRICHLORFON

RAINBOW TROUT WYTHEVILLE 2 TESTS

1	ANTIMYCIN A	1	CARBARYL

ATLANTIC SALMON 131 TESTS

8	ACEPHATE	5	METHOXYCHLOR
12	AMINOCARB	3	MEXACARBATE
17	AZINPHOS-METHYL	1	PCB AROCLOR 1016
15	CARBARYL	3	PHOXIM
1	DDE	1	PYRETHRUM
1	DDT	2	RU-11679
1	DIFLUBENZURON	21	TEMEPHOS
19	FENITROTHION	11	TRICHLORFON
10	METHOMYL		

BROWN TROUT 77 TESTS

13	AMINOCARB	3	LINDANE
6	AZINPHOS-METHYL	1	MALATHION
2	CAPTAN	1	METHYL PARATHION
2	CARBARYL	6	MEXACARBATE
2	CARBOFURAN	1	PCB AROCLOR 1016
2	CHLORDANE	1	PCB AROCLOR 1260
1	DDT	3	PHOXIM
2	DINITRAMINE	3	PYDRAUL 50E
15	FENITROTHION	2	PYRETHRUM
1	FENTHION	1	RESMETHRIN
2	FOLPET	1	RU-11679
1	GERANIOL	1	TOXAPHENE
2	HEXACHLOROBENZENE	1	TRICHLORFON
1	LEPTOPHOS		

BROOK TROUT 201 TESTS

11	ACEPHATE	88	METHOXYCHLOR
16	AMINOCARB	1	MEXACARBATE
1	AZINPHOS-METHYL	1	PCB AROCLOR 1016
9	CARBARYL	3	PERMETHRIN
2	CHLORPYRIFOS-METHYL	3	PHOXIM
7	DIFLUBENZURON	1	PYDRAUL 50E
23	FENITROTHION	6	TEMEPHOS
1	HEXACHLOROBENZENE	1	TFM
2	HEXAZINONE	3	TOXAPHENE
1	HOUGHTO-SAFE 1120	18	TRICHLORFON
3	METHOMYL		

LAKE TROUT 146 TESTS

1	ANTIMYCIN A	2	MALATHION
3	CAPTAN	2	METHOXYCHLOR
5	CARBARYL	2	METHYL PARATHION
1	CARBOFURAN	1	MEXACARBATE
6	CHLORPYRIFOS	1	NALED
1	COUMAPHOS	2	PARATHION
2	D-TRANS ALLETHRIN	2	PCB AROCLOR 1016
1	DIAZINON	13	PICLORAM
2	DICHLORVOS	3	PYDRAUL 50E

Table A3. *Continued.*

(CONT.) LAKE TROUT 146 TESTS

1	DICOFOL
1	DINITRAMINE
10	DINOSEB
15	DIURON
8	EPTC
3	FENTHION
1	FLIT MLO
2	FOLPET
1	LEPTOPHOS
2	LETHANE 384
2	LINDANE
2	PYRETHRUM
2	RESMETHRIN
2	RONNEL
2	RU-11679
4	TEMEPHOS
2	THANITE
2	TRICHLORFON
6	2,4-D
14	2,4-D BUTYL ESTER
14	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER

NORTHERN PIKE 15 TESTS

1	AZINPHOS-METHYL
1	D-TRANS ALLETHRIN
1	DDT
1	DINITRAMINE
1	EPN
1	FENTHION
1	HEPTACHLOR
1	METHOXYCHLOR
1	METHYL PARATHION
1	PHORATE
2	PHOXIM
1	PYRETHRUM
1	RESMETHRIN
1	RU-11679

GOLDFISH 45 TESTS

3	ANTIMYCIN A
1	AZINPHOS-METHYL
1	BENEFIN
1	BENZENE HEXACHLORIDE
1	BUFENCARB
2	CAPTAFOL
2	CARBARYL
1	COPPER SULFATE
2	DDT
2	DICHLOBENIL
1	DICHLOROPROPENE
2	DIELDRIN
1	DINOCAP
1	DIPHENAMIDE
1	DIQUAT
1	DITHIANON
1	ENDRIN
1	FENITROTHION
2	FENTHION
2	LINDANE
1	MALATHION
2	METHOXYCHLOR
1	METHYL PARATHION
2	MEXACARBATE
1	MSMA
1	NOREA
2	PARATHION
1	PIPERALIN
1	SILVEX BUTOXYETHANOL ESTER
2	TOXAPHENE
1	TRIFLURALIN
1	TRIPHENYLTIN HYDROXIDE

CARP 12 TESTS

1	AZINPHOS-METHYL
1	CARBARYL
1	DDT
1	DINITRAMINE
1	ENDRIN
1	FENITROTHION
1	FENTHION
1	LINDANE
1	MALATHION
1	METHYL PARATHION
1	MEXACARBATE
1	TOXAPHENE

RIVER SHINER 1 TESTS

1	DDT

FATHEAD MINNOW 280 TESTS

2	ACEPHATE
1	AKTON
1	ALDRIN
1	ALUMINUM NITRATE
1	ALUMINUM SULFATE
1	AMDRO
2	AMINOCARB
1	AMITROLE
9	ANTIMYCIN A
3	AZINPHOS-METHYL
1	BENEFIN
4	BENOMYL
1	BENZENE HEXACHLORIDE
1	FENBUTATIN-OXIDE
5	FENITROTHION
3	FENTHION
2	FENVALERATE
1	FIRE-TROL 100
1	FIRE-TROL 931
2	FLURIDONE
2	FOLPET
1	FOSAMINE AMMONIUM
1	FOSPIRATE
1	FYRQUEL GT
2	GERANIOL
5	GLYPHOSATE

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Table A3. *Continued.*

(CONT.) FATHEAD MINNOW 280 TESTS

3	BENZOYLPROP ETHYL
2	CALCIUM HYPOCHLORITE
2	CAPTAN
3	CARBARYL
3	CARBOFURAN
2	CHLORDANE
1	CHLORDANE-HCS-3260
2	CHLORDECONE
1	CHLORENDATE DIBUTYL
2	CHLORENDATE DIMETHYL
2	CHLORFENETHOL
1	CHLORMEQUAT CHLORIDE
1	CHLOROWAX 500C
1	CHLORPYRIFOS-METHYL
1	COPPER SULFATE
1	COPPER-COUNT-N
1	COPPER-COUNT-NS
1	CORREX
1	CROTOXYPHOS
1	CUMYLPHENYL DIPHENYL PHOSPHATE
4	CYANAZINE
2	CYPRAZINE
2	D-TRANS ALLETHRIN
1	DDD
3	DDT
2	DICHLOBENIL
1	DICHLOROPHENYL METHYLSULFONATE
1	DICHLOROPROPENE
1	DICHLORVOS
1	DIELDRIN
1	DIFLUBENZURON
1	DIMETHRIN
2	DINITRAMINE
1	DIPHENAMIDE
1	DISULFOTON
1	DITHIANON
1	ENDOSULFAN
1	ENDOTHALL HYDROTHOL 191
2	ENDRIN
1	ETHION
1	PHTHALATE DI-2-ETHYLHEXYL
2	PHTHALATE DIBUTYL
1	PROPOXUR
2	PURIFLOC C-3
1	PYDRAUL 115E
3	PYDRAUL 50E
2	PYRETHRUM
3	RESMETHRIN
2	RU-11679
2	S-BIOALLETHRIN
1	SANTICIZER 154
2	SILVEX
1	SILVEX BUTOXYETHANOL ESTER
1	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER
3	SIMAZINE
1	SODIUM SELENITE
1	TEMEPHOS
1	TEPP
2	TERBUFOS
10	TOXAPHENE
1	TRI-N-BUTYL PHOSPHATE
1	HALOWAX 1099
1	HEPTACHLOR
1	HEXACHLOROBENZENE
2	HOUGHTO-SAFE 1120
1	HOUGHTO-SAFE 520
1	LEPTOPHOS
1	LIME SULFUR
4	LINDANE
2	MALATHION
1	MBC
1	MCPB
3	METHOMYL
2	METHOPRENE
1	METHOXYCHLOR
3	METHYL PARATHION
2	METOLACHLOR
2	MEXACARBATE
1	MIREX
1	MITIN FF
1	MON 0818
1	MONOCROTOPHOS
1	MSMA
1	NALED
2	NEODOL 25-12
1	NEODOL 25-9
2	NITRAPYRIN
1	NONYLPHENYL DIPHENYL PHOSPHATE
1	NOREA
2	ORTHO 11775
2	PARATHION
1	PENTACHLOROPHENOL
1	PENTACHLOROPHENOL SODIUM SALT
2	PERMETHRIN
1	PHOS-CHEK 202
1	PHOS-CHEK 259
1	PHOSALONE
1	PHOSFLEX 31P
2	PHOSMET
1	PHOSPHAMIDON
1	PHOXIM
1	TRICHLORFON
3	TRIFLURALIN
1	TRIPHENYL PHOSPHATE
1	TRIPHENYLTIN HYDROXIDE
1	UREABOR
1	WATER GLYCOLS 894-44A
1	WATER GLYCOLS 894-44B
1	WATER GLYCOLS 894-44C
1	2-HYDROXY-2',4,4'-TRICHLORODIPHENYL ETHER
1	2-HYDROXY-4,4'-DICHLORODIPHENYL ETHER
1	2,3,4,6-TETRACHLOROPHENOL
1	2,3,5-TRIMETHYL NAPHTHALENE
1	2,3,6-TRICHLOROBENZOIC ACID
1	2,3,6-TRIMETHYL NAPHTHALENE
1	2,4-D
1	2,4-D BUTOXYETHANOL ESTER
24	2,4-D DIMETHYLAMINE SALT
18	2,4-D DODECYL/TETRADODECYL AMINE SALT
1	2,4-DB
1	2,4,5-T TRIETHYLAMINE SALT

LONGNOSE SUCKER 1 TESTS

1	PCB AROCLOR 1016

WHITE SUCKER 8 TESTS

2	CHLORDANE
1	D-TRANS ALLETHRIN
1	PCB AROCLOR 1016
2	RESMETHRIN
2	RU-11679

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Table A3. *Continued.*

BLACK BULLHEAD 25 TESTS

1	ALDRIN	2	FENTHION
2	ANTIMYCIN A	1	HEPTACHLOR
3	AZINPHOS-METHYL	1	LINDANE
1	CARBARYL	2	MALATHION
2	DDT	1	METHYL PARATHION
1	DIELDRIN	2	MEXACARBATE
2	DIQUAT	2	TOXAPHENE
1	ENDRIN	1	TRICHLORFON

CHANNEL CATFISH 341 TESTS

2	ACEPHATE	1	DITHIANON
1	AERO XANTHATE 343	1	ENDOSULFAN
1	AEROFROTH 71	1	ENDOTHALL
1	AKTON	2	ENDOTHALL AQUATHOL K
1	ALDRIN	1	ENDOTHALL HYDROTHOL 191
1	AMDRO	2	ENDRIN
5	AMINOCARB	1	EPN
2	AMITROLE	1	ETHION
1	ANILAZINE	1	ETHYLBENZENE
9	ANTIMYCIN A	2	FENBUTATIN-OXIDE
1	AQUA COP	8	FENITROTHION
1	AQUA-VATOR	2	FENTHION
1	AZINPHOS-METHYL	2	FENVALERATE
6	BENOMYL	3	FLAMPROP-METHYL
2	BENTHIOCARB	2	FLUCHLORALIN
1	BENZENE	3	FLUOMETURON
1	BENZENE HEXACHLORIDE	1	FLUORODIFEN
1	BENZOTHIAZOLE 2-MERCAPTO	10	FLURIDONE
1	BENZOTHIAZOLE 2-METHYL MERCAPTO	1	FOLPET
1	BINAPACRYL	1	FOSAMINE AMMONIUM
1	CAPTAFOL	1	FYRQUEL GT
1	CAPTAN	6	GLYPHOSATE
3	CARBARYL	1	HALOWAX 1099
1	CARBOFURAN	1	HEPTACHLOR
1	CARBOPHENOTHION	3	HEXACHLOROBENZENE
1	CCA TYPE III	1	HEXACHLOROBUTADIENE
1	CHLORBROMURON	3	HOUGHTO-SAFE 1120
5	CHLORDANE	1	JODFENPHOS
1	CHLORDANE-HCS-3260	1	LEAD ARSENATE
1	CHLORDECONE	1	LEPTOPHOS
1	CHLORDIMEFORM	2	LINDANE
1	CHLORENDATE DIBUTYL	2	LINURON
2	CHLORENDATE DIMETHYL	2	MALATHION
1	CHLORFENETHOL	5	MBC
1	CHLORMEQUAT CHLORIDE	2	MERPHOS
2	CHLOROWAX 500C	6	METHOMYL
1	CHLOROXURON	1	METHOPRENE
1	CHLORPYRIFOS	1	METHOXYCHLOR
2	CORREX	1	METHYL PARATHION
1	COUMAPHOS	1	METHYL TRITHION
1	CROTOXYPHOS	2	METRIBUZIN
1	CUMYLPHENYL DIPHENYL PHOSPHATE	1	MEVINPHOS
3	CYANAZINE	2	MEXACARBATE
2	CYTROL AMITROLE-T	1	MON 0818
1	D-D SOIL FUMIGANT	1	MONOCROTOPHOS
2	D-TRANS ALLETHRIN	1	MSMA
1	DDD	1	NALED
6	DDT	1	NEODOL 25-12
2	DEF	1	NEODOL 25-9
1	DEMETON	1	NITRAPYRIN
1	DICHLOFENTHION	1	ORTHO 11775
1	DICOFOL	2	OXAMYL
1	DICROTOPHOS	1	OXYDEMETON-METHYL
2	DIELDRIN	1	PARAQUAT
2	DIFLUBENZURON	1	PARATHION
2	DIMETHRIN	1	PARATHION DITHIOATE ANALOGUE
1	DINITRAMINE	1	PAROIL 1032
1	DISULFOTON	1	PAROIL 1048

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Table A3. *Continued.*

(CONT.) CHANNEL CATFISH — 341 TESTS

1	PAROIL 160
3	PCB AROCLOR 1016
1	PCB AROCLOR 1242
1	PCB AROCLOR 1248
1	PCB AROCLOR 1254
1	PCB AROCLOR 1260
2	PENTACHLOROPHENOL
2	PENTACHLOROPHENOL COPPER SALT
2	PENTACHLOROPHENOL SODIUM SALT
1	PERMETHRIN
1	PHORATE
1	PHOSFLEX 31P
2	PHOSMET
1	PHOSPHAMIDON
1	PHOTO-DIELDRIN
1	PHOXIM
2	PHTHALATE DI-2-ETHYLHEXYL
2	PHTHALATE DIBUTYL
7	PICLORAM
2	PROFENOFOS
2	PROPACHLOR
1	PROPYL ISOME
1	PURIFLOC C-3
3	PYDRAUL 115E
4	PYDRAUL 50E
4	PYRETHRUM
3	RESMETHRIN
1	RONNEL
2	ROTENONE
2	RU-11679
1	RYANIA
1	S-BIOALLETHRIN
2	SILVEX
1	SODIUM SELENITE
5	TEMEPHOS
1	TERBUFOS
1	TETRACHLORVINPHOS
1	TETRADIFON
1	TOLUENE
26	TOXAPHENE
2	TRIALLATE
3	TRICHLORFON
1	TRICHLOROMANDELIC ACID
1	TRICRESYL PHOSPHATE
6	TRIFLURALIN
1	TRIPHENYL PHOSPHATE
1	UREABOR
1	WARFARIN
2	XYLENOL DIMETHYLAMINO
1	Z-200
1	2,3,4,6-TETRACHLOROPHENOL
2	2,4-D BUTOXYETHANOL ESTER
6	2,4-D DIMETHYLAMINE SALT
2	2,4-D DODECYL/TETRADODECYL AMINE SALT
1	2,4-D OLEYLPROPYLENEDIAMINE SALT
1	2,4-D/2,4,5-T 24%/28%
1	2,4,5-T TRIETHYLAMINE SALT
1	6-CHLORO-2-PICOLINIC ACID

WALKING CATFISH — 1 TESTS

1	ANTIMYCIN A

MOSQUITOFISH — 2 TESTS

1	DICHLORVOS
1	ENDRIN

MOSQUITOFISH NON-RESISTANT — 2 TESTS

1	ANTIMYCIN A
1	PARATHION

MOSQUITOFISH RESISTANT — 2 TESTS

1	ANTIMYCIN A
1	PARATHION

GREEN SUNFISH — 32 TESTS

1	ANTIMYCIN A
1	AZINPHOS-METHYL
1	BINAPACRYL
2	CARBARYL
1	CARBOPHENOTHION
2	COPPER SULFATE
3	DDT
2	DICHLOBENIL
2	ENDOTHALL COPPER SALT
1	FENITROTHION
3	FENTHION
2	LINDANE
3	MALATHION
2	METHYL PARATHION
2	MEXACARBATE
2	PARATHION
2	TOXAPHENE

BLUEGILL — 959 TESTS

7	ACEPHATE
1	AERO XANTHATE 343
1	AEROFROTH 71
1	AKTON
2	ALACHLOR
2	ALDICARB
6	ALDRIN
1	ALLETHRIN
1	AMDRO
1	CHLOROWAX 70
5	CHLORPYRIFOS
1	COPPER OXYCHLORIDE
2	COPPER SULFATE
1	COPPER-COUNT-N
1	COPPER-COUNT-NS
2	CORREX
1	COUMAPHOS
1	CROTOXYPHOS

Table A3. *Continued.*

(CONT.) BLUEGILL 959 TESTS

1	AMETRYN
21	AMINOCARB
1	ANILAZINE
17	ANTIMYCIN A
1	APHOLATE
1	AQUA COP
1	AQUA-VATOR
1	ARAMITE
1	ATRAZINE 4L
1	AZIDE POTASSIUM
1	AZIDE SODIUM
1	AZINPHOS-ETHYL
7	AZINPHOS-METHYL
1	BACILLUS THURINGIENSIS
12	BENOMYL
1	BENSULIDE
2	BENTHIOCARB
1	BENZALKONIUM CHLORIDE
9	BENZENE
1	BENZENE HEXACHLORIDE
4	BENZOTHIAZOLE 2-MERCAPTO
4	BENZOTHIAZOLE 2-METHYL MERCAPTO
3	BENZOYLPROP ETHYL
1	BINAPACRYL
1	BOMYL
3	BUTYLATE
1	CACODYLIC ACID
2	CAPTAFOL
1	CAPTAN
14	CARBARYL
2	CARBOFURAN
1	CARBOPHENOTHION
1	CCA TYPE III
1	CHLORAMBEN
3	CHLORDANE
1	CHLORDANE CIS
1	CHLORDANE TRANS
3	CHLORDANE-HCS-3260
1	CHLORDECONE
2	CHLORENDATE DIBUTYL
2	CHLORENDATE DIMETHYL
2	CHLORFENVINPHOS
1	CHLORINATED ALPHA OLEFIN 22/44
1	CHLORMEQUAT CHLORIDE
1	CHLORONITROPROPANE
1	CHLOROWAX LV
1	CHLOROWAX 40
1	CHLOROWAX 50
4	CHLOROWAX 500C
7	ENDRIN
1	EPN
1	ETHION
2	ETHOFUMESATE
1	ETHYLAN
10	ETHYLBENZENE
1	ETHYLENE GLYCOL
2	FENAC
1	FENAMINOSULF
1	FENAZAFLOR
1	FENBUTATIN-OXIDE
26	FENITROTHION
1	FENSON
1	FENSULFOTHION
2	FENTHION
11	FENVALERATE
1	FIRE-TROL 100
1	FIRE-TROL 931
2	FLAMPROP-METHYL
2	FLUCHLORALIN
2	FLUOMETURON
2	CRUFOMATE
1	CRYOLITE
2	CUTRINE-PLUS
2	CYANAZINE
4	CYHEXATIN
2	CYPRAZINE
2	CYTROL AMITROLE-T
1	D-D SOIL FUMIGANT
13	D-TRANS ALLETHRIN
1	DALAPON
1	DCPA
1	DDD
1	DDE
7	DDT
1	DEAD-X
11	DEF
1	DEMETON
1	DIAZINON
1	DICAMBA
2	DICHLOBENIL
1	DICHLOFENTHION
1	DICHLONE
1	DICHLORVOS
1	DICLOFOP METHYL
1	DICOFOL
1	DICROTOPHOS
8	DIELDRIN
8	DIFLUBENZURON
1	DILAN
1	DIMETHOATE
14	DIMETHRIN
1	DIMETHYLSULFOXIDE
1	DINITRAMINE
1	DINOBUTON
2	DINOCAP
1	DIOXATHION
1	DIPHENAMIDE
10	DIQUAT
1	DISULFOTON
12	DIURON
1	DNOC
1	EMCOL AD-410
1	ENDOSULFAN
1	ENDOTHALL
9	ENDOTHALL AQUATHOL K
1	ENDOTHALL COPPER SALT
1	ENDOTHALL HERBICIDE 282
1	ENDOTHALL HYDROTHOL 191
1	ENDOTHALL POTASSIUM SALT
2	MIREX
1	MITIN FF
1	MNFA
1	MOLINATE
4	MON 0818
1	MONOCROTOPHOS
1	MONOETHANOLAMINE
3	MSMA
1	N-BUTANOL
1	N,N-DIMETHYL-2,4-DICHLOROPHENOXYACETAMIDE
1	NALED
1	NITRALIN
1	NOREA
2	ORTHO 11775
1	OVEX
2	OXAMYL
1	OXYDEMETON-METHYL
1	OXYTHIOQUINOX
1	PARAQUAT
7	PARATHION
1	PARATHION DITHIOATE ANALOGUE

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Table A3. *Continued.*

(CONT.) BLUEGILL 959 TESTS

1	FLUORENE
2	FLURIDONE
1	FOLPET
1	FONOFOS
1	FOSAMINE AMMONIUM
9	FYRQUEL GT
16	GLYPHOSATE
3	HEPTACHLOR
1	HEPTACHLOR EPOXIDE
1	HERCULES 7175
2	HEXACHLOROBENZENE
1	HEXACHLOROBUTADIENE
1	HEXAZINONE
3	HOUGHTO-SAFE 1120
1	HOUGHTO-SAFE 520
1	HYDROXY-S-TRIAZINYL ALANINE
1	KOMEEN
9	KRONITEX 200
1	LANDRIN
2	LEPTOPHOS
1	LIME SULFUR
6	LINDANE
8	MALATHION
1	MCPA DIMETHYLAMINE SALT
1	MCPB
7	MERPHOS
1	METHIDATHION
1	METHIOCARB
21	METHOMYL
2	METHOPRENE
1	METHOPROTRYNE
5	METHOXYCHLOR
3	METHYL PARATHION
2	METHYL TRITHION
1	METRIBUZIN
3	MEVINPHOS
16	MEXACARBATE
11	S-BIOALLETHRIN
6	SANTICIZER 148
9	SANTICIZER 154
2	SD 16898
2	SD 17250
1	SD 7438
1	SD 8339
3	SILVEX
2	SILVEX BUTOXYETHANOL ESTER
2	SILVEX POTASSIUM SALT
2	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER
1	SIMAZINE
1	SODIUM ARSENITE
4	TEMEPHOS
3	TEPP
10	TERBUFOS
1	TERBUTRYN
2	TERPENE POLYCHLORINATES
2	TETRACHLORVINPHOS
1	TETRADIFON
1	TETRAMINE
1	TH 285-N
1	TH 336-N
9	TOLUENE
12	TOXAPHENE
1	TRANID
2	TREFMID
65	TRICHLORFON
1	TRICHLORONATE
1	PAROIL 1032
1	PAROIL 1048
1	PAROIL 160
2	PCB AROCLOR 1016
1	PCB AROCLOR 1242
2	PCB AROCLOR 1248
2	PCB AROCLOR 1254
1	PCB AROCLOR 1260
2	PENTACHLOROPHENOL
2	PENTACHLOROPHENOL SODIUM SALT
10	PERMETHRIN
6	PHORATE
1	PHOS-CHEK 202
1	PHOS-CHEK 259
1	PHOSALONE
9	PHOSFLEX 31P
33	PHOSMET
1	PHOSPHAMIDON
1	PHOTO-DIELDRIN
14	PHOXIM
2	PHTHALATE DI-2-ETHYLHEXYL
5	PHTHALATE DIBUTYL
10	PICLORAM
2	PIPERONYL BUTOXIDE
2	PROFENOFOS
1	PROPANIL
1	PROPHAM
1	PROPOXUR
2	PURIFLOC C-3
1	PYDRAUL 115E
3	PYDRAUL 50E
15	PYRETHRUM
3	RESMETHRIN
3	RONNEL
1	ROTENONE
2	RU-11679
1	RYANIA
1	TRICLOPYR
2	TRICRESYL PHOSPHATE
16	TRIFLURALIN
1	TRIPHENYLTIN HYDROXIDE
1	TRITON B-1956
1	UC 10854
4	UREABOR
2	VERNOLATE
1	WATER GLYCOLS 894-44A
1	WATER GLYCOLS 894-44B
1	WATER GLYCOLS 894-44C
12	XYLENE
2	XYLENOL AMINO
2	XYLENOL DIMETHYLAMINO
1	Z-200
1	2-ETHYLHEXANOL
1	2,3,4,6-TETRACHLOROPHENOL
1	2,4-D
3	2,4-D BUTOXYETHANOL ESTER
8	2,4-D DIMETHYLAMINE SALT
5	2,4-D DODECYL/TETRADODECYL AMINE SALT
1	2,4-D OLEYLPROPYLENEDIAMINE SALT
2	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
2	2,4-D/2,4,5-T 24%/28%
1	2,4-D/2,4,5-T 30%/28%
1	2,4-D/2,4,5-T 34%/17%
2	2,4-DB
1	2,4,5-T TRIETHYLAMINE SALT
1	2,6-DICHLOROBENZOIC ACID

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Table A3. *Continued.*

REDEAR SUNFISH — 18 TESTS

1	AKTON	5	HEPTACHLOR
1	ANILAZINE	1	MALATHION
5	CHLORDECONE	1	SILVEX BUTOXYETHANOL ESTER
1	DDT	2	2,4,5-T BUTOXYETHANOL ESTER
1	FENAC		

SMALLMOUTH BASS — 9 TESTS

1	D-TRANS ALLETHRIN	1	RU-11679
1	FOLPET	1	2,4-D DIMETHYLAMINE SALT
1	PHOSMET	2	2,4-D DODECYL/TETRADODECYL AMINE SALT
2	PYRETHRUM		

LARGEMOUTH BASS — 74 TESTS

1	ALDRIN	1	FIRE-TROL 931
1	AMINOCARB	1	HEPTACHLOR
5	ANTIMYCIN A	1	HEXACHLOROBENZENE
1	AZINPHOS-METHYL	1	LEPTOPHOS
1	BENZENE HEXACHLORIDE	1	LINDANE
1	CARBARYL	2	MALATHION
5	CHLORDANE	2	METHOMYL
1	COUMAPHOS	2	METHOXYCHLOR
1	CROTOXYPHOS	1	METHYL PARATHION
2	CYHEXATIN	1	METHYL TRITHION
1	D-D SOIL FUMIGANT	1	MEVINPHOS
1	D-TRANS ALLETHRIN	1	MEXACARBATE
1	DDD	1	MIREX
2	DDT	1	NALED
1	DEMETON	1	OXYDEMETON-METHYL
1	DICHLOFENTHION	1	PARATHION
1	DICHLOROPROPENE	1	PHORATE
1	DICOFOL	1	PHOS-CHEK 202
1	DIELDRIN	1	PHOS-CHEK 259
2	DIOXATHION	1	PHOSMET
1	DISULFOTON	1	PYRETHRUM
1	ENDRIN	1	RESMETHRIN
1	EPN	1	RU-11679
1	ETHION	4	TEMEPHOS
1	FENAZAFLOR	2	TOXAPHENE
3	FENTHION	1	TRICHLORFON
1	FIRE-TROL 100	1	TRIFLURALIN

WHITE CRAPPIE — 1 TESTS

1	ANTIMYCIN A

BLACK CRAPPIE — 3 TESTS

1	AZINPHOS-METHYL	1	DDT
1	CARBARYL		

YELLOW PERCH — 133 TESTS

7	ACEPHATE	1	METHYL PARATHION
14	AMINOCARB	3	MEXACARBATE
1	ANTIMYCIN A	1	MIREX
17	AZINPHOS-METHYL	1	PAROIL 1032
1	CAPTAN	1	PAROIL 1048
14	CARBARYL	1	PAROIL 160
3	CARBOFURAN	1	PCB AROCLOR 1016
1	CHLORDANE	1	PCB AROCLOR 1242
1	D-TRANS ALLETHRIN	1	PCB AROCLOR 1248
1	DDT	1	PCB AROCLOR 1254

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Table A3. *Continued.*

	(CONT.) YELLOW PERCH		133 TESTS
2	DIFLUBENZURON	1	PCB AROCLOR 1260
1	DIMETHRIN	3	PHOXIM
2	DINITRAMINE	1	PHTHALATE DIBUTYL
2	DIQUAT	1	PYDRAUL 50E
1	ENDRIN	1	PYRETHRUM
13	FENITROTHION	1	RESMETHRIN
1	FENTHION	1	RU-11679
1	FOLPET	1	S-BIOALLETHRIN
1	HOUGHTO-SAFE 1120	1	TOXAPHENE
15	LEPTOPHOS	1	TRICHLORFON
2	LINDANE	1	TRICRESYL PHOSPHATE
1	MALATHION	2	XYLENOL DIMETHYLAMINO
4	METHOXYCHLOR		

	WALLEYE		17 TESTS
1	AMINOCARB	1	EPN
1	COUMAPHOS	1	MALATHION
1	D-D SOIL FUMIGANT	1	MIREX
1	DDD	1	OXYDEMETON-METHYL
2	DDT	2	PHORATE
1	DEMETON	1	PYRETHRUM
1	DICHLOFENTHION	1	TRIFLURALIN
1	DICHLOROPROPENE		

	TILAPIA		10 TESTS
3	DDT	2	MALATHION
2	DIELDRIN	1	METHOXYCHLOR
1	ENDRIN	1	METHYL TRITHION

	FOWLERS TOAD		25 TESTS
1	ALDRIN	1	LINDANE
1	AZINPHOS-METHYL	1	MALATHION
1	BENZENE HEXACHLORIDE	1	METHOXYCHLOR
1	DDD	1	MOLINATE
5	DDT	1	PARAQUAT
1	DEF	1	PARATHION
1	DIELDRIN	1	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER
1	ENDOTHALL HYDROTHOL 191	1	TOXAPHENE
1	ENDRIN	2	TRIFLURALIN
1	HEPTACHLOR	1	2,4-D BUTOXYETHANOL ESTER

	WESTERN CHORUS FROG		13 TESTS
1	AZINPHOS-METHYL	1	METHYL PARATHION
1	DDT	1	MEVINPHOS
1	DIELDRIN	1	PARAQUAT
1	ENDRIN	1	PARATHION
1	LINDANE	1	PIPERONYL BUTOXIDE
1	MALATHION	1	TOXAPHENE
1	METHOXYCHLOR		

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Table A4. *Common and alternate names of chemicals used for aquatic toxicity testing.*

Common name	Alternate name
ACEPHATE	Orthene; Ortho 12420; Ortran
ACETONE	dimethylformaldehyde; dimethylketol; dimethyl ketone; ketone propane; methy ketone; propanone; pyroacetic acid; pyroacetic ether
AKTON	Axiom
ALACHLOR	Alanex; Pillarzo
ALDICARB	Temik; OMS 771; UC21149
ALDRIN	Aldrex 30; Aldrine; Aldrite; Aldrosol; Altox; Drinox; HHDN; Octalene
ALLETHRIN	Pallethrine; Pynamin
ALUMINUM NITRATE	Aluminum trinitrate; nitric acid aluminum salt; nitric acid aluminum (3+) salt
ALUMINUM SULFATE	Alum; aluminum sulfate (2:3); aluminum trisulfate; cake alum; dialuminum sulfate; dialuminum trisulfate; luminum alum; sulfuric acid aluminum salt (3:2)
AMDRO	AC 217,300; CL 217,300
AMETRYN	Ametrex; Crisatrine; Evik; G-34162; Gesapax
AMINOCARB	A 363; aminocarbe; Bay 44646; Matacil
AMITROLE	Amerol; Amino-triazole; Amino Triazole Weedkiller 90; Amitrol T; Amizol; AT-90; ATA; AT Liquid; Azolan; Azole; Cytrol; Cytrol Amitrole-T; Diurol; Herbizole; Simazol; Weedazol; Weedazol TL, Amitrol
ANILAZINE	Direz; Dyrene; Kemate; Triasyn
ANTIMYCIN A	Antipiricullin; Virosin
APHOLATE	APN; ENT-26,316; NSC-26812; OLIN MO. 2174; pholate; SQ 8388
ARAMITE	Aracide; Niagaramite; 88-R
AROCLOR 1221	Arochlor 1221; chlorodiphenyl (21% Cl); polychlorinated biphenyl (Aroclor 1221)
AROCLOR 1232	Arochlor 1232; chlorodiphenyl (32% Cl); polychlorinated biphenyl (Aroclor 1232)
AROCLOR 1242	Arochlor 1242; chlorodiphenyl (42% Cl); polychlorinated biphenyl (Aroclor 1242)
AROCLOR 1248	Arochlor 1248; chlorodiphenyl (48% Cl); polychlorinated biphenyl (Aroclor 1248)
AROCLOR 1254	Arochlor 1254; chlorodiphenyl (54% Cl); NCI-CO2664; polychlorinated biphenyl (Aroclor 1254)
AROCLOR 1260	Arochlor 1260; chlorodiphenyl (60% Cl); Clophen A60; Phenoclor DP6; polychlorinated biphenyl (Aroclor 1260)
AROCLOR 1262	Arochlor 1262; chlorodiphenyl (62% Cl); polychlorinated biphenyl (Aroclor 1262)
AROCLOR 1268	Arochlor 1268; chlorodiphenyl (68% Cl); polychlorinated biphenyl (Aroclor 1268)
AROCLOR 4465	Arochlor 4465; polychlorinated biphenyl (Aroclor 4465)
AROCLOR 5442	Arochlor 5442; polychlorinated triphenyl (Aroclor 5442)
AROCLOR 5460	Arochlor 5460; polychlorinated triphenyl (Aroclor 5460)
ATRAZINE 4L	AAtrex; Atranex; Atred; Crisatrina; Crisazine; Farmco Atrazine; Griffex; Shell Atrazine Herbicide; Vectal SC
AZIDE (SODIUM)	
AZINPHOS ETHYL	Azinos; Bay 16259; Cotnion-Ethyl; Crysthion; Gusathion A; Triazotion
AZINPHOS METHYL	Bay 17147; Carfene; Cotnion-Methyl; Gusathion M; Guthion; metiltriazotion
BARBAN	barbamate; barbane; Carbyne; chlorinat
BENEFIN	Balan; Balfin; benfluralin; Benefex; Bethrodine; Quilan
BENOMYL	Benlate; Tersan 1991
BENSULIDE	Betamec; Betasan; Exporsan; Prefar; Pre-San
BENTHIOCARB	Bolero; Saturn; Saturno; Siacarb; Tamariz; Thiobencarb
BENZALKONIUM CHLORIDE	Barquat MB-50; Barquat MB-80; BTC; Roccal; Zephiran
BENZENE	Benzol
BENZENE HEXACHLORIDE	Benzahex; Benzex; BHC; Dol; Dolmix; Gammexane; Gexane; HCCH; HCH; Hexablanc; hexachlor; hexachloran; Hexafor; Hexamul; Hexapoudre; Hexyclan; Hilbeech; Kotol; Soprocide; Submar; 666

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Table A4. *Continued.*

Common name	Alternate name
BENZOTHIAZOLE 2-METHYL MERCAPTO	USAF EK-4008
BENZOYLPROP ETHYL	SD 30053; Suffix; Suffix 25; WL 17731
BENZYL BENZOATE	Ascabin; Ascabiol; Benzylets; Colebenz; Novoscabin; Peruscabin; Vanzoate; Venzonate
BINAPACRYL	Acricid; Ambox; Dapacryl; dinoseb; Endosan; FMC 9044; Hoe 2784; methacrylate; Morocide; Morrocid; NIA 9044
BOMYL	Fly Bait Grits; GC-3707; Swat
BUFENCARB	Bux; Ortho 5353
BUTOXYL POLYPROPYLENE GLYCOL	Stabilene Fly Repellent
BUTYLATE	R-1910; Sutan
CACODYLIC ACID	Dilic; Rad-E-Cate 25
CALCIUM HYPOCHLORITE	bleaching powder; chloride of lime
CAPTAFOL	Difolatan; Haipen; Merpafol; Pillartan; Sanspor
CAPTAN	Captane; Merpan; Orthocide; Pillarcap; Vondcaptan
CARBARYL	Carbamine; Cekubaryl; Denapon; Devicarb; Dicarbam· Hexavin; Karbaspray; Nac; Ravyon; Septene; Sevin; Tercyl; Tricarnam; UC 7744
CARBOFURAN	Bay 70143; Curaterr; D 1221; ENT 27164; FMC 10242; Furadan; NIA 10242; Yaltox
CARBOPHENOTHION	Dagadip; Garrathion; R 1303; Trithion
CHLORAMBEN	Amiben; Amiben DS; chlorambene; Ornamental Weeder
CHLORBROMURON	C6313; chlorobromuron; Maloran
CHLORDANE	Belt; Chlordan; Chlor Kil; Chlortox; Corodane; Kypchlor; Niran; Niran 5% granular bait; Octachlor; Octa-Klor; Ortho-Klor; Snyklor; Topiclor 20; Velsicol 1068
CHLORDANE CIS	*alpha*-Chlordane
CHLORDANE TRANS	*gamma*-Chlordane
CHLORDECONE	GC 1189; Kepone
CHLORDIMEFORM	Bermat; C 8514; ENT 27567; EP-333; Fundal; Galecron; SN 36268
CHLORFENETHOL	BCPE; DCPC; dichlorodiphenylethanol; Dimite; DMC; Qikron
CHLORFENVINPHOS	Apachlor; Birlane; Birlane 24; C 8949; CFV; CGA 26351; Compound 4072; Sapecron; SD 7859; Steladone; Supona; Vinylphate
CHLORMEQUAT CHLORIDE	CeCeCe; Chlormequat-chloride + cholin chloride; Cycocel; Cycocel-Extra; Cyogan; Hico CCC; Hormocel-2CCC; Increcel; Lihocin
CHLOROBENZILATE	Acaraben; Akar; Benzilan; Folbex smoke-strips; Kop-Mite
CHLORONITROPROPANE	Korax; Lanstan
CHLOROWAX 40	NCI-C53543
CHLOROWAX 500C	NCI-C53587
CHLOROXURON	C-1983; chloroxifenidim; Tenoran
CHLORPYRIFOS	Brodan; Dursban; Eradex; Lorsban; Pyrinex
CHLORPYRIFOS-METHYL	DOWCO 214; Ent 27520; Reldan
CLONITRALIDE	Bay 6067; Bayluscid; Niclosamide; SR73
COPPER-COUNT-N	
COPPER OXYCHLORIDE	BASF-Grunkupfer; basic copper chloride; Blitox; Chempar; Cobox; Coprantol; Cop Tox; Cupramar; Cupravit; Cuprokylt; Cuprosana; Cuprovinol; Cuprox; Devicopper; Fytolan; Kauritil; Kilex; Recop; Rhodiacuivre; Viricuivre; Vitigran
COPPER SULFATE	Bluestone; blue copperas; blue vitriol; Triangle
CORREX	
COUMAPHOS	Asuntol; Bay 21/199; Baymix; Co-Ral; Diolice; Meldane; Muscatox; Resistox
CROTOXYPHOS	Ciodrin; Ciovap; Cypona E.C.; Decrotox; Duo-Kill; Duravos; SD 4294
CRUFOMATE	Dowco 132; Ruelene
CRYOLITE	Kryocide

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Table A4. *Continued.*

Common name	Alternate name
CUTRINE-PLUS	
CYANAZINE	Bladex; Fortral; SD 15418; WL 19805
CYANO (METHYLMERCURI) GUANIDINE	Morsodren; Panodrin A-13; Panogen Turf Fungicide
CYHEXATIN	Dowco 213; Plictran
CYPRAZINE	Outfox; S-9115
CYTROL AMITROLE-T	Amitril T.L.; Amitrol T
2,4-D ACID	Agrotect; Amoxone; Aqua-Kleen; BH 2,4-D; Chipco Turf Herbicide "D"; Chloroxone; Crop Rider; D50; Dacamine; Debroussaillant 600; Ded-Weed; Desormone; Dinoxol; DMA 4; Dormone, Emulsamine BK; Emulsamine E-3; Envert 171; Envert DT; Esteron Brush Killer; Esteron 99 Concentrate; Estone; Farmco; Fernesta; Fernimine; Fernoxone; Ferxone; Formula 40; Hedonal; Herbidal; Lawn-Keep; Macrondray; Miracle; Netagrone 600; Pennamine D; Planotox; Plantgard; Rhodia; Salvo; Spritz-Hormin/2,4-D; Spritz-Hormit/2,4-D; Super D Weedone; Superormone Concentre; Transamine; Tributon; U 46; U 46 D-Ester; U 46 D-Fluid; Visko-Rhap; Weedar; Weedatul; Weed-B-Gon; Weedone; Weed-Rhap; Weed Tox; Weedtrol
2,4 DB	Butoxon; Butoxone; Butoxone amine; Butoxone ester; Butyrac; Butyrac 200; Butyrac ester; Embutox; Embutox E
2,4-D BUTOXYETHANOL ESTER	Bladex-B; Brush Killer 64; 2,4-D-Bee; 2,4-D butoxyethyl ester; Planotox; Weedone LV4
2,4-D BUTYL ESTER	Butyl 2,4-D; butyl dichloro-phenoxyacetate; Esso Herbicide 10; Fernesta; Lironox; Shell 40
2,4-D DIMETHYLAMINE SALT	2,4-D amine; 2,4-D amine salt; Bladex G; Formula 40; Hormin; Phordene
2,4-D ISOOCTYL ESTER	
DALAPON	Basfapon/Basfapon N; BH Dalapon; Crisapon; Dalapon 85; Dalapon-Na; Ded-Weed; Devipon; Dowpon; Dowpon M; DPA; Gramevin; Revenge; Unipon
DCPA	chlorthal dimethyl; Dacthal
D-D SOIL FUMIGANT	Nemafene
DDD	Rhothane; TDE
DDE	
DDT	Anofex; Arkotine; Chlorophenothane; DDT technical; DDT 75% WDP; Dedelo; Didimac; Digmar; Genitox; Gyron; Hildit; Ixodex; Kopsol; Micro DDT 75; Neocid; Pentachlorin; R50; Rukseam; Zeidane; pp'Zeidane; Zerdane
DEET	Detamide; Metadelphene; MGK Diethyltoluamide; OFF
DEF	De-Green; E-Z-Off D; Fos-Fall "A"; Ortho Phosphate Defoliant
DEMETON	Bay 10756; demeton-O + demeton-S; E 1059; mercaptofos; Systemox; Systox
DIAZINON	Basudin; Dazzel; Diagran; Dianon; Diaterr-Fos; Diazajet; Diazatol; Diazide; Diazol; Dizinon; Dyzol; G-24480; Gardentox; Kayazinon; Kayazol; Neocidol; Nipsan; Sarolex; Spectracide
DICAMBA	Banex; Banvel 45; Banvel CST; Banvel D; Banvel Herbicide; Banvel II Herbicide; Banvel 4WS; CST; dianat
DICHLOBENIL	Casoron; Decabane
DICHLOFENTHION	dDichlofention; dichlorofenthion; Mobilawn; Tri-VC13; VC-13 Nemacide
DICHLONE	Phygon; Quintar
DICHLOROPROPENE	Telone II Soil Fumigant
DICHLORVOS	Apavap; Benfos; Cekusan; Cypona; DDVP; Dedevap; Devikol; Divipan; Duo-Kill; Duravos; Fly-Die; Fly Fighter; Herkol; Mafu; Marvex; Nogos; No-Pest; Nuvan; Oko; Phosvit; Tetravos, UDVF; Vapona; Vaponite; Vapora II; Verdican; Verdipor; Verdisol
DICLOFOP METHYL	Hoe-23408; Hoe-Grass; Hoelon; Hoelon 3 EC; Illoxan; Iloxan

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Table A4. *Continued.*

Common name	Alternate name
DICOFOL	Acarin; Cekudifol; FW-293; Hifol; Kelthane; Mitigan
DICROTOPHOS	Bidrin; C 709; Carbicron; Diapadrin; Ektafos; SD 3562
DIELDRIN	Dieldrex; Dieldrine; Dieldrite; Octalox; Panoram D-31
DIFLUBENZURON	Dimilin; DU 112307; ENT-29054; OMS 1804; PDD 6040-I; PH 60-40; TH 6040
DILAN	
DIMETHOATE	AC-12880; Bi 58 EC; Cekuthoate; Cygon; Daphene; De-Fend; Demos-L40; Devigon; Dimate 267; Dimethoate technisch 95%; Dimethogen; Fosfamid; Fostion MM; Perfekthion; Rebelate; Rogodial; Rogor; Roxion; Trimetion
DIMETHRIN	Dimethrine
DIMETHYL FORMAMIDE	DMF; NCI-C60913; NSC 5356; U-4224
DIMETHYLSULFOXIDE	Demasorb; Demavet; Demeso; Dermasorb; dimethyl sulfoxide; dimethyl sulphoxide; DMS-70; DMS-90; DMSO; Doligur; Dromisol; Gamasol 90; Hyadur; Infiltrina; methyl sulfoxide; Somipront; SQ 9453; Syntexan
DINITRAMINE	Cobex; Cobexo; Dinitroamine; USB-3584
DINOBUTON	Acrex; Dessin; Dinofen; Drawinol; UC 19786
DINOCAP	Arathane; Crotothane; Iscothane; Karathane; Mildex
DINOSEB	Basanite; Caldon; Chemox General; Chemox PE; Chemsect DNBP; dinitro; Dinitro-3; Dinitro General; dinosebe; DNBP; Dynamyte; Elgetol 318; Gebutox; Hel-Fire; Kiloseb; Nitropone C; Premerge 3; Sinox General; Subitex; Unicrop DNBP; Vertac Dinitro Weed Killer 5; Vertac General Weed Killer; Vertac Selective Weed Killer
DIOXATHION	Delnav; Detic; Hercules AC528
DIPHENAMIDE	DIF 4; Dimid; diphenamid; Dymid; Enide; Enide 50; Fenam; L-34314; Lilly 34,314; U 4513; 80W
DIQUAT	Aquacide; Deiquat; Dextrone; reglon; Reglone; Reglox; Weedtrine-D
DISULFOTON	Bay 19639; Bay S276; Di-Syston; Disyston; dithiodemeton; dithiosystox; Ethylthiodemeton; Frumin AL; M-74; Solvirex; thiodemeton
DITHIANON	Delan; Thynon
DIURON	Cekiuron; Dailon; Diater; dichlorfenidim; Di-on; Direx 4L; Diurex; Diurol; Drexel Diuron 4L; Dynex; Farmco Diuron; Karmex; Unidron; Urox "D"; Vonduron
DNOC	Chemsect DNOC; DNC; Elgetol 30; Nitrador; Selinon; Sinox; Trifocide; Trifrina
DODINE	AC 5223; Apadodine; Carpene; Curitan; Cyprex; Doquadine; Melprex; Syllit; tsitrex; Venturol; Vondodine
DOWELL A170	corrosion inhibitor A170
DOWELL F75A	Ezeflo F75A surfactant
DOWELL F75N	Ezeflo F75N surfactant
DOWELL L47	Gypban L47 scale inhibitor
DOWELL M38N	silicate control additive M38W
DOWELL W35	emulsion and sludge preventor W35
DOWICIDE EC-7 (PENTACHLOROPHENOL)	88% pentachlorophenol; 12% other chlorophenols
d-TRANS ALLETHRIN	Bioallethrin
ENDOSULFAN	Benzoepin thiodan; Beosit; Chlorthiepin; Crisulfan; Cyclodan; Devisulphan; Endocel; Endosol; EnSure; FMC 5462; Hildan; Hoe 2671; Insectophene; Kop Tiodan; Malix; N1A 5462; Thifor; Thimul; Thiodan; Thiofor; Thionex; Thiosulfan; Tiovel
ENDOTHALL	Accelerate; Aquathol; Aquathol K; Des-i-cate; Endothal; Endothal Turf Herbicide; Endothal Weed Killer; Herbicide 273; Hydout; Hydrothol; Hydrothol 47; Hydrothol 191
ENDRIN	Endrex; Hexadrin; Nendrin
EPN	
EPTC	Eptam
ETHANOL	Alcohol; ethyl alcohol

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Table A4. *Continued.*

Common name	Alternate name
ETHION	Diethion; Ethanox; Ethiol; Hylemox; Rhodiacide; Rhodocide; Vegfru Fosmite
ETHOFUMESATE	NC 8438; Nortranese; Nortron; Tramat
ETHYLAN	Perthane
ETHYLBENZENE	EB; ethylbenzol; NCI-C56393; phenylethane
ETHYLENE DICHLORIDE	EDC
ETHYLENE GLYCOL	ethylene alcohol; ethylene dihydrate; glycol; glycol alcohol; Lutrol-9; Macrogol 400 BPC; M.E.G.; monoethylene glycol; NCI-C00920; Tescol
2-ETHYLHEXANOL	
FENAC	chlorfenac; Tri-Fen; Trifene
FENAMINOSULF	Bay 22555; Bayer 5072; Lesan
FENAZAFLOR	Fenozaflor
FENBUTATIN-OXIDE	SD 14114; Torque; Vendex
FENITROTHION	Accothion; Agrothion; Bay 41831; Bay S 5660; Cekutrothion; Cytel; Dybar; Fenitox; Folithion; MEP; Novathion; Nuvanol; S 5660; Sumithion
FENSON	CPBS; Fenizon; Murvesco; PCPBS
FENSULFOTHION	Bay 25141; Dasanit; S 767; Terracur P
FENTHION	Bay 29493; Baycid; Baytex; Entex; Lebaycid; mercaptophos; S 1752; Tiguvon
FENVALERATE	Belmark; Ectrin; Pydrin; S-5602; Sanmarton; SD 43775; Sumicidin; Sumifly; Sumipower
FLAMPROP-METHYL	Lancer; WL 29761
FLIT MLO	
FLUCHLORALIN	Basalin
FLUMETURON	C-2059; Cotoran; Cottonex; Lanex
FLUORODIFEN	C 6989; Preforan
FLURIDONE	Sonar
FOLPET	Folpan; Phaltan; Thiophal
FONOFOS	Dyfonate; N-2790
FOSAMINE AMMONIUM	Krenite brush control agent
FOSPIRATE	Dowco 217; ENT 27521; Torelle
GERANIOL	geraniol alcohol; geraniol extra; geranyl alcohol; Guaniol; Lemonol
GLENBAR	OCS-21944
GLYCEROL	glycerin; glycerine; glyceritol; glycyl alcohol; synthetic glycerin; 90 technical glycerine; trihydroxypropane
GLYODIN	Crag Fruit Fungicide 341
GLYPHOSATE	glyphosate isopropylamine salt; Roundup
HEPTACHLOR	Drinox H-34; Heptachlore; Heptamul; Heptox
HEPTACHLOR EPOXIDE	ENT 25,584; epoxyheptachlor; HCE; heptachlor epoxide; Velsicol 53-CS-17
HERCULES 7175	
HEXACHLOROBENZENE	Anticarie; Ceku C.B.; HCB; No Bunt
HEXACHLOROBUTADIENE	C-46; Dolen-Pur; GP-40-66:120; HCBD; hexachlorbutadiene; perchlorobutadiene
HEXAZINONE	Velpar weed killers
JODFENPHOS	C-9491; iodofenphos; Nuvanol N
KOMEEN	
LANDRIN	
LEAD ARSENATE	Gypsine; Soprabel; Talbot
LEPTOPHOS	MBCP; Phosvel
LETHANE 384	
LIME SULFUR	Security Lime Sulphur
LINDANE	Gamma BHC; Exagama; Forlin; Gallogama; Gamaphex; Gamma-col; Gammalin; Gammex; Gammexane; gamma HCH; Inexit; Isotox; Lindafor; Lindagam; Lindagrain; Lindagranox; Lindalo; Lindamul; Lindapoudre; Lindaterra; Lintox; Novigam; Silvanol

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Table A4. *Continued.*

Common name	Alternate name
LINURON	Afalon; Hoe 2810; Linex 4L; Linorox; Linurex; Lorox, Sarclex
MALATHION	Calmathion; carbofos; Celthion; Cythion; Detmol MA 96%; Emmatos; Emmatos Extra; For-Mal; Fyfanon; Hilthion; Karbofos; Kop-Thion; Kypfos; Malamar; Malaphele; Malaspray; Malathion ULV Concentrate; Malatol; maldison; Malmed; Maltox; Mercaptothion; mercaptotion; MLT; Sumitox; Vegfru Malatox; Zithiol
MBC	
MCPB	Can-Trol; 2,4-MCPB; 2M-4Kh-M; PDQ; Thistrol; Tropotox
MERPHOS	Deleaf Defoliant; Easy Off-D; Folex
METAM-SODIUM	A7 Vapam; carbam; Karbation; Maposol; Metam-Fluid BASF; SMDC; Solasan 500; Sometam; Trimaton; Vapam; VPM
METHANOL	Alcohol
METHIDATHION	GS-13005; Somonil; Supracide; Ultracide
METHIOCARB	Bay 37344; Draza; H 321; mercaptodimethur; Mesurol; metmercapturon
METHOMYL	Lannate; Nu-Bait II; Nudrin; SD14999
METHOPRENE	ZR-515
METHOPROTRYNE	G 36393; Gesaran; Metoprotryn
METHOXYCHLOR	Chemform; Flo Pro Mc Seed Protectant; Marlate
METHYL DEMETON	Bay 15203; demeton methyl
METHYL PARATHION	Cekumethion; Devithion; Dimethyl Parathion; Drexel Methyl Parathion 4E; E601; Folidol M; Fosferno M50; Gearphos; Metacide; metafos; Metaphos; Nitrox 80; Parataf; Parathion-methyl; Paratox; Partron M; Penncap-M; Tekwaisa; Vertac Methyl Parathion technisch 80%; Wofatox
METHYL TRITHION	
METOLACHLOR	Bicep; CGA-24705; Codal; Cotoran Multi; Dual; Milocep; Ontrack 8E; Primagram; Primextra
METRIBUZIN	Bay 94337; Bay DIC 1468; Lexone; Sencor; Sencoral; Sencorex
MEVINPHOS	Apavinphos; Duraphos; Gesfid, Menite; OS-2046; Phosdrin; Phosfene
MEXACARBATE	Zectran
MIREX	Dechlorane; GC-1283
MITIN FF	
MNFA	FAM; Nissol
MOLINATE	Hydram; Ordram
MONOCROTOPHOS	Apadrin; Azodrin; Bilobran; C 1414; Crisodrin; Hazodrin; Monocil 40; Monocron; Nuvacron; Pillardrin; Plantdrin; SD 9129; Susvin
MONOETHANOLAMINE	Colamine; ethanolamine; ethylolamine; glycinol; MEA; olamine; Thiofaco M-50; USAF EK-1597
MSMA	Ansar 170 H.C.; Ansar 529 H.C.; Arsonate Liquid; Bueno 6; Daconate 6; Dal-E-Rad; Herb-All; Merge 823; Mesamate; Monate; Target MSMA; Trans-Vert; Weed-E-Rad; Weed-Hoe
NALED	Bromchlophos; Bromex; Dibrom; RE 4355
N-BUTANOL	1-butanol; butan-1-ol; butyl hydroxide; butyric or normal primary butyl alcohol; CCS 203; 1-hydroxybutane; methylolpropane; n-butyl alcohol; propylcarbinol; propylmethanol
NEODOL 25-9	
NEODOL 25-12	
NITRALIN	Planavin
NITRAPYRIN	Dowco 163; N-Serve
NITROFEN	nitrofene; nitrophen; Nip; Tok; Tok E-25; Tok WP-50; Trizilin
NOREA	Herban; Hercules 7531; noruron
ORTHO 11775	

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Table A4. *Continued.*

Common name	Alternate name
ORYZALIN	Dirimal; Ryzelan; Surflan
OVEX	chlorofenizon; Chlorfenson; Corotran; CPCBS; difenson; ephirsulphonate; Estonmite; Niagaratran; ovatran; Ovochlor; Ovotran; Sappiran
OXAMYL	DPX 1410; Vydate L insecticide/nematicide
OXYDEMETON-METHYL	Bay 21097; demeton-S-methyl sulfoxid; metasystemox; Metasystox-R; metilmercaptofosoksid
OXYTHIOQUINOX	Bay 36205; chinomethionat; chinomethionate; Morestan; quinomethionate; SS 2074
PARA-DICHLOROBENZENE	Paracide; PDB
PARAQUAT	Cekuquat; Crisquat; Dextrone; Dexuron; Esgram; Gramonol; Gramoxone; Gramuron; Herbaxon; Herboxone; Paracol; Pathclear; Pillarquat; Pillarxone; Sweep; Terraklene; Totacol; Toxer Total; Weedol
PARATHION	AC 3422; Alkron; Alleron; Aphamite; Bladan; Corothion; Drexel parathion 8E; E-605; ENT 15108; Ethyl Parathion; Etilon; Folidol E-605; Fosferno 50; Niran; Orthophos; Panthion; Paramar; Paraphos; Parathene; Parawet; Phoskil; Rhodiatox; Soprathion; Stathion; Thiophos
PEBULATE	PEBC; R-2061; Tillam
PENTACHLOROPHENATE SODIUM	Santobrite; sodium pentachlorophenate; Weedbeads
PENTACHLOROPHENOL	Dow Pentachlorophenol; DP-2 Antimicrobial; PCP; penchlorol; penta; Pentacon; Penwar; Priltox; Santobrite; Santophen; Sinituho; Weedone
PERMETHRIN	Ambush; BW-21-Z; Ectiban; FMC-33297; Indothrin; Kafil; Permasect; Perthrine; Pounce; PP 557
PHORATE	AC 3911; Phorate-10G; Rampart; Thimet; Timet; Vegfru Foratox
PHORAZETIM	Bay 38819; Gophacide
PHOSALONE	Azofene; RP 11974; Rubitox; Zolone
PHOSMET	Appa; Imidan; Kemolate; phosmet; PMP; Prolate R-1504
PHOSPHAMIDON	Apamidon; C 570; Dimecron; Dixon
PHOTO-DIELDRIN	NCI-C00599
PHOXIM	Baythion; Bay 77488; phoxime; Volaton
PICLORAM	Amdon; Grazon; Tordon
PIPERALIN	Pipron
PIPERONYL BUTOXIDE	Butacide; Piperonyl Butoxide technical; Prentox Piperonyl Butoxide technical
PROFENOFOS	CGA-15324; Curacron; Polycron; Selecron
PROPACHLOR	
PROPANIL	Bay 30130; Chem Rice; DPA; Farmco Propanil; FW-734; Herbox technical; Propanex; Prop-Job; Riselect; Stam F-34; Stam M-4; Stam Supernox; Stampede 3E; Strel; Supernox; Surcopur; Surpur; S 10165; Vertac
PROPHAM	Ban-Hoe; Beet-Kleen; Chem-Hoe; IFC; IPC; Premalox; Triherbide-IPC; Tuberite
PROPOXUR	Aprocarb; Bay 39007; Baygon; Blattenex; Propyon; Suncide; Tugon Fliegenkugel; Unden
PROPYL ISOME	N-Propyl isome
PROPYLENE GLYCOL	Methyl glycol; Methylethylene glycol; monopropylene glycol; PG 12; Sirlene; trimethyl glycol
PYRETHRUM	Pyrethrins
RESMETHRIN	Benzofuroline; Chryson; Premgard; Pynosect; Pyretherm; Synthrin
RONNEL	Ectoral; Etrolene; fenchlorfos; fenchlorphos; Nankorl; Korlan; Trolene; Viozene
ROTENONE	Chem Fish; Derris; Nicouline; Prentox; Tubatoxin
ROWMATE	Sirmate; UC 22463
RYANIA	Bonide Ryatox; ground Ryania specisa (Vahl) stemwood (alkoloid ryanodine); Ryanexel; Ryania powder; Ryania speciosa; Ryanicide; Ryanodine

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Table A4. *Continued.*

Common name	Alternate name
S-BIOALLETHRIN	Esbiol; Esbiol Concentrate 90%
SD 7438	ENT 25,739; Shell SD 7,438
SD 8339	Accel
SD 16898	
SD 17250	
SILVEX ACID	Amchem 2,4,5-TP; Aqua-Vex; Double Strength; fenoprop; Fruitone T; Kuron; Kurosal; Silvex; Silvi-Rhap; Weed-B-Gon
SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER	Kuron
SIMAZINE	Aquazine; Cekusan; Farmco Simazine; Framed; G-27692; Gesatop; Primatol S; Princep; Simadex; Simanex; Sim-trol
SODIUM ARSENITE	
SODIUM SELENITE	disodium selenite
2,4,5-T BUTOXYETHANOL ESTER	Bladex H; Hormoslyr 500T; Trinoxol
TEMEPHOS	Abate; Abathion; Difenthos; Ecopro; Nimitox
TEPA	Aphoxide; APO
TEPP	Tetron; Vapotone
TERBUFOS	Counter 15G Soil Insecticide-Nematicide
TERBUTRYN	GS 14260; Igran; Prebane; Terbutrex
TERPENE POLYCHLORINATES	Strobane
2,3,4,6-TETRACHLOROPHENOL	Dowicide 6; tetrachlorophenol
TETRACHLORVINPHOS	Appex; CVMP; Debantic; Dust M; Gardcide; Gardona; Rabon; Rabond; ROL; SD 8447; Stirofos
TETRADIFON	Nia 5488; Tedion; Tedion V-18
TETRAMINE	TEM
TETRASUL	Animert V-101
TFM	Hoe 02770; Lamprecid; Lamprecide; TFN
THANITE	
TOLUENE	Methacide; methylbenzene; methylbenzol; NC1-CO7272; phenylmethane; Toluol
TOXAPHENE	Attac 4-2; Attac 4-4; Attac 6; Attac 6-3; Attac 8; camphechlor; Camphoclor; Camphofene Huileux; Motox; Phenacide; Phenatox; Polychlorocamphene; Strobane T-90; Toxakil; Toxon 63; Vertac Toxaphene 90
TRANID	UC 2047A
TREFMID	
TRIALLATE	Avadex BW; Far-Go
TRICHLORFON	Bovinox; Briten; Cekufon; Ciclosom; clorofos; Crinex; Danex; dipterex; Dylox; Equino-Aid; Leivasom; Neguvon; Proxol; Trichlorphon; Trinex; Tugon
2,3,6-TRICHLOROBENZOIC ACID	Benzac; HC-1281; 2,3,6-TBA; TCBA; Tribac; trichlorobenzoic acid
TRICHLORONATE	Agrisil; Agritox; Bay 37289; fenophosphon; Phytosol; S4400; trichloronat
TRICLOPYR	Garlon 3A; Garlon 4
TRICRESYL PHOSPHATE	Celluflex 179C; cresyl phosphate; Disflamoll TKP; Fyrquel 150; IMOL S 140; Kronitex; Lindol; NCI-C61041; tris (tolyloxy) phosphine oxide; tritolyl phosphate
TRIFLURALIN	Crisalina; Digermin; Elancolan; Farmco Trifluralin; Ipersan; Sinflouran; Trefanocide; Treflan; Trifluraline; Triflurex
TRI-N-BUTYL PHOSPHATE	Celluphos 4; TBP; tributyl phosphate

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Table A4. *Continued.*

Common name	Alternate name
TRIPHENYL PHOSPHATE	Celluflex TPP; TPP
TRIPHENYLTIN HYDROXIDE	Du-Ter; Duter; fentin hydroxide; Haitin; Suzu H; TPTH; TPTOH; Tubotin
UC 10854	Hercules AC 5727
UREABOR	
VERNOLATE	Surpass; Vernam
WARFARIN	Co-Rax; Coumafene; Cov-R-Tox; Kypfarin; Liqua-Tox; Mouse Pak; Rat Pak; Ratox; RAX; Rodex; Rodex Blox; Rutoxin; Tox-Hid; Warfarin Q; Zoocoumarin
XYLENE	Xylol
ZINC SULFATE	NU-Z

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Table A5. *Acute toxicity data for 410 chemicals and 66 species of freshwater animals from the Columbia National Fisheries Research Laboratory, U.S. Fish and Wildlife Service, 1965–1984.*

Contents

Table page	*Chemicals*	*No. of tests*
1	ACEPHATE	66
4	ACETONE	1
5	AEROFROTH 71	2
6	AERO XANTHATE 343	2
7	AKTON	5
8	ALACHLOR	8
9	ALDICARB	4
10	ALDRIN	26
12	ALLETHRIN	6
13	ALUMINUM NITRATE	1
14	ALUMINUM SULFATE	1
15	AMDRO	6
16	AMETRYN	2
17	AMINOCARB	144
23	AMITROLE	5
24	ANILAZINE	5
25	ANTIMYCIN A	108
30	APHOLATE	2
31	AQUA COP	3
32	AQUA-VATOR	4
33	ARAMITE	6
34	ATRAZINE 4L	2
35	AZIDE POTASSIUM	6
36	AZIDE SODIUM	6
37	AZINPHOS-ETHYL	6
38	AZINPHOS-METHYL	77
42	BACILLUS THURINGIENSIS	3
43	BARBAN	2
44	BENEFIN	3
45	BENOMYL	41
47	BENSULIDE	3
48	BENTHIOCARB	6
49	BENZALKONIUM CHLORIDE	2
50	BENZENE	11
51	BENZENE HEXACHLORIDE	12
52	BENZOTHIAZOLE 2-MERCAPTO	6
53	BENZOTHIAZOLE 2-METHYL MERCAPTO	9
54	BENZOYLPROP ETHYL	9
55	BENZYL BENZOATE	1
56	BINAPACRYL	5
57	BLACK CRUDE OIL	5
58	BOMYL	3
59	BUFENCARB	4
60	BUTOXY POLYPROPYLENE GLYCOL	1
61	BUTYLATE	6
62	CACODYLIC ACID	4
63	CALCIUM HYPOCHLORITE	2
64	CAPTAFOL	9
65	CAPTAN	15
66	CARBARYL	136
72	CARBOFURAN	15
73	CARBOPHENOTHION	6
74	CCA TYPE III	5
75	CHLORAMBEN	2
76	CHLORBROMURON	2
77	CHLORDANE	56
80	CHLORDANE CIS	1
81	CHLORDANE-HCS-3260	8
82	CHLORDANE TRANS	1
83	CHLORDECONE	14
84	CHLORDIMEFORM	2
85	CHLORENDATE DIBUTYL	7
86	CHLORENDATE DIMETHYL	9
87	CHLORFENETHOL	4
88	CHLORFENVINPHOS	5
89	CHLORINATED ALPHA OLEFIN 22/44	2
90	CHLORMEQUAT CHLORIDE	4
91	CHLOROBENZILATE	3
92	CHLORONITROPROPANE	3
93	6-CHLORO-2-PICOLINIC ACID	6
94	CHLOROWAX LV	2
95	CHLOROWAX 40	2
96	CHLOROWAX 50	2
97	CHLOROWAX 70	2
98	CHLOROWAX 500C	13
99	CHLOROXURON	2
100	CHLORPYRIFOS	23
101	CHLORPYRIFOS-METHYL	5
102	CLARIFITE	1
103	CLONITRALIDE	9
104	COPPER-COUNT-N	3
105	COPPER-COUNT-NS	3
106	COPPER OXYCHLORIDE	1
107	COPPER SULFATE	7
108	CORREX	7
109	COUMAPHOS	9
110	CROTOXYPHOS	8
111	CRUFOMATE	4
112	CRYOLITE	4
113	CUMYLPHENYL DIPHENYL PHOSPHATE	3
114	CUTRINE-PLUS	5
115	CYANAZINE	11
116	CYANO (METHYLMERCURI) GUANIDINE	1
117	CYHEXATIN	8
118	CYPRAZINE	4

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Table A5. *Continued.*

Contents

Table page	*Chemicals*	*No. of tests*
119	CYTROL AMITROLE-T	6
120	2,4-D	21
121	2,4-D BUTOXYETHANOL ESTER	18
122	2,4-D BUTYL ESTER	33
124	2,4-D DIMETHYLAMINE SALT	51
127	2,4-D DODECYL/TETRADODECYL AMINE SALT	39
129	2,4-D ISOOCTYL ESTER	1
130	2,4-D OLEYLPROPYLENEDIAMINE SALT	2
131	2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER	45
133	2,4-D/2,4,5-T 24%/28%	4
134	2,4-D/2,4,5-T 30%/28%	2
135	2,4-D/2,4,5-T 34%/17%	2
136	DALAPON	4
137	2,4-DB	6
138	DCPA	9
139	D-D SOIL FUMIGANT	7
140	DDD	21
141	DDE	3
142	DDT	85
146	DEAD-X	6
147	DEET	1
148	DEF	31
150	DEMETON	10
151	DIAZINON	10
152	DICAMBA	7
153	DICHLOBENIL	15
154	DICHLOFENTHION	11
155	DICHLONE	5
156	2,6-DICHLOROBENZOIC ACID	2
157	DICHLOROPHENYL METHYLSULFONATE	2
158	DICHLOROPROPENE	5
159	DICHLORVOS	16
160	DICLOFOP METHYL	2
161	DICOFOL	8
162	DICROTOPHOS	8
163	DIELDRIN	37
165	DIFLUBENZURON	42
167	DILAN	4
168	DIMETHOATE	5
169	DIMETHRIN	18
170	DIMETHYL FORMAMIDE	1
171	DIMETHYLSULFOXIDE	2
172	DINITRAMINE	16
173	DINOBUTON	2
174	DINOCAP	6
175	DINOSEB	24
176	2,6-DIOCTADECYL-P-CRESOL	1
177	DIOXATHION	8
178	DIPHENAMIDE	9
179	DIQUAT	18
180	DISULFOTON	9
181	DITHIANON	3
182	DIURON	59
185	DNOC	5
186	DODINE	1
187	DOWELL A170	1
188	DOWELL F75A	1
189	DOWELL F75N	1
190	DOWELL L47	1
191	DOWELL M38N	6
192	DOWELL W35	1
193	DOWICIL 75	1
194	*D*-TRANS ALLETHRIN	29
196	EMCOL AD-410	3
197	ENDOSULFAN	10
198	ENDOTHALL	3
199	ENDOTHALL AQUATHOL K	14
200	ENDOTHALL COPPER SALT	4
201	ENDOTHALL DES-I-CATE	1
202	ENDOTHALL HERBICIDE 282	2
203	ENDOTHALL HYDROTHOL 47	1
204	ENDOTHALL HYDROTHOL 191	9
205	ENDOTHALL POTASSIUM SALT	3
206	ENDRIN	53
209	EPN	11
210	EPTC	25
212	ETHANOL	2
213	ETHION	13
214	ETHOFUMESATE	4
215	ETHYLAN	2
216	ETHYLBENZENE	12
217	ETHYLENE DICHLORIDE	3
218	ETHYLENE GLYCOL	3
219	2-ETHYLHEXANOL	2
220	FENAC	10
221	FENAMINOSULF	5
222	FENAZAFLOR	3
223	FENBUTATIN-OXIDE	6
224	FENITROTHION	160
231	FENSON	2
232	FENSULFOTHION	2
233	FENTHION	43
235	FENVALERATE	29
237	FIRE-TROL 100	12
238	FIRE-TROL 931	12
239	FLAMPROP-METHYL	7
240	FLIT MLO	2
241	FLUCHLORALIN	11

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Table A5. *Continued.*

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Table page	*Chemicals*	*No. of tests*
242	FLUOMETURON	12
243	FLUORENE	3
244	FLUORODIFEN	2
245	FLURIDONE	36
247	FOLPET	14
248	FONOFOS	2
249	FOSAMINE AMMONIUM	7
250	FOSPIRATE	3
251	FYRQUEL GT	23
252	GERANIOL	4
253	GLENBAR	1
254	GLYCEROL	1
255	GLYODIN	1
256	GLYPHOSATE	51
259	GREEN CRUDE OIL	10
260	HALOWAX 1099	2
261	HEPTACHLOR	31
263	HEPTACHLOR EPOXIDE	2
264	HERCULES 7175	1
265	HEXACHLOROBENZENE	12
266	HEXACHLOROBUTADIENE	3
267	HEXAZINONE	5
268	HOUGHTO-SAFE 520	9
269	HOUGHTO-SAFE 1120	15
270	2-HYDROXY-4,4′-DICHLORODIPHENYL ETHER	1
271	HYDROXY-S-TRIAZINYL ALANINE	1
272	2-HYDROXY-2′,4,4′-TRICHLORODIPHENYL ETHER	1
273	JODFENPHOS	2
274	KOMEEN	2
275	KRONITEX 200	21
276	LANDRIN	2
277	LEAD ARSENATE	1
278	LEPTOPHOS	37
280	LETHANE 384	6
281	LIME SULFUR	5
282	LINDANE	45
284	LINURON	6
285	MALATHION	70
288	MBC	10
289	MCPA DIMETHYLAMINE SALT	1
290	MCPB	3
291	MERPHOS	14
292	METAM-SODIUM	1
293	METHANOL	1
294	METHIDATHION	2
295	METHIOCARB	3
296	METHOMYL	84
300	METHOPRENE	7
301	METHOPROTRYNE	1
302	METHOXYCHLOR	146
309	METHYL DEMETON	2
310	METHYL PARATHION	31
312	METHYL TRITHION	9
313	METOLACHLOR	6
314	METRIBUZIN	5
315	MEVINPHOS	16
316	MEXACARBATE	90
320	MIREX	13
321	MITIN FF	2
322	MNFA	1
323	MOLINATE	9
324	MON 0818	11
325	MONOCROTOPHOS	5
326	MONOETHANOLAMINE	3
327	MSMA	8
328	NALED	18
329	N-BUTANOL	1
330	NEODOL 25-9	4
331	NEODOL 25-12	3
332	NITRALIN	4
333	NITRAPYRIN	7
334	NITROFEN	1
335	N,N-DIMETHYL-2,4-DICHLOROPHENOXYACETAMIDE	1
336	NONYLPHENYL DIPHENYL PHOSPHATE	2
337	NOREA	4
338	ORTHO 11775	7
339	ORYZALIN	2
340	OVEX	5
341	OXAMYL	10
342	OXYDEMETON-METHYL	9
343	OXYTHIOQUINOX	2
344	PARA-DICHLOROBENZENE	1
345	PARAQUAT	9
346	PARATHION	47
348	PARATHION DITHIOATE ANALOGUE	3
349	PAROIL 160	4
350	PAROIL 1032	5
351	PAROIL 1048	4
352	PCB AROCLOR 1016	17
353	PCB AROCLOR 1221	1
354	PCB AROCLOR 1232	1
355	PCB AROCLOR 1242	9
356	PCB AROCLOR 1248	7
357	PCB AROCLOR 1254	12
358	PCB AROCLOR 1260	6
359	PCB AROCLOR 1262	1
360	PCB AROCLOR 1268	1

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Table A5. *Continued.*

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Table page	*Chemicals*	*No. of tests*
361	PCB AROCLOR 4465	1
362	PCB AROCLOR 5442	1
363	PCB AROCLOR 5460	1
364	PCB 2-CHLOROBIPHENYL	1
365	PCB 3-CHLOROBIPHENYL	1
366	PCB 4-CHLOROBIPHENYL	1
367	PCB 2,4-DICHLOROBIPHENYL	1
368	PCB 4,4′-DICHLOROBIPHENYL	1
369	PCB 2,2′,4,4′,6,6′-HEXACHLOROBIPHENYL	1
370	PCB 2,2′,4,5,5′-PENTACHLOROBIPHENYL	1
371	PCB 2,3,4′-TRICHLOROBIPHENYL	1
372	PEBULATE	1
373	PENTACHLOROPHENOL	15
374	PENTACHLOROPHENOL COPPER SALT	6
375	PENTACHLOROPHENOL (DOWICIDE EC-7)	2
376	PENTACHLOROPHENOL SODIUM SALT	18
377	PERMETHRIN	29
379	PHORATE	18
380	PHORAZETIM	1
381	PHOSALONE	3
382	PHOS-CHECK 202	12
383	PHOS-CHECK 259	12
384	PHOSFLEX 31P	23
385	PHOSMET	74
389	PHOSPHAMIDON	11
390	PHOTO-DIELDRIN	3
391	PHOXIM	42
393	PHTHALATE DIBUTYL	18
394	PHTHALATE DI-2-ETHYLHEXYL	9
395	PHTHALATE 2-ETHYLHEXYL	1
396	PHTHALIC ACID	1
397	PICLORAM	70
400	PIPERALIN	1
401	PIPERONYL BUTOXIDE	7
402	POTASSIUM NAPHTHALENEACETATE	1
403	PROFENOFOS	12
404	PROPACHLOR	6
405	PROPANIL	3
406	PROPHAM	5
407	PROPOXUR	5
408	PROPYLENE GLYCOL	1
409	PROPYL ISOME	1
410	PURIFLOC C-3	8
411	PYDRAUL 50E	28
413	PYDRAUL 115E	7
414	PYRETHRUM	41
416	RESMETHRIN	23
417	RONNEL	12
418	ROTENONE	7
419	ROWMATE	1
420	RU-11679	22
421	RYANIA	4
422	RYLEX D (2-HYDROXY-4-DODECOXYBENZOPHENONE)	1
423	RYLEX H (2,4-DIHYDROBENZOPHENONE)	1
424	RYLEX NBC (NICKEL DIBUTYLDITHIO CARBAMATE)	1
425	SANTICIZER 148	15
426	SANTICIZER 154	22
427	S-BIOALLETHRIN	15
428	SD 7438	2
429	SD 8339	2
430	SD 16898	5
431	SD 17250	4
432	SILVEX	12
433	SILVEX BUTOXYETHANOL ESTER	8
434	SILVEX POTASSIUM SALT	2
435	SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER	12
436	SIMAZINE	11
437	SODIUM ARSENITE	5
438	SODIUM SELENITE	6
439	SRCII SYNFUEL	2
440	2,4,5-T BUTOXYETHANOL ESTER	6
441	2,4,5-T TRIETHYLAMINE SALT	4
442	TEMEPHOS	63
445	TEPA	1
446	TEPP	6
447	TERBUFOS	26
449	TERBUTRYN	2
450	TERPENE POLYCHLORINATES	4
451	2,3,4,6-TETRACHLOROPHENOL	5
452	TETRACHLORVINPHOS	4
453	TETRADIFON	5
454	TETRAMINE	3
455	TETRASUL	1
456	TFM	5
457	TH 285-N	2
458	TH 336-N	2
459	THANITE	7
460	TOLUENE	11
461	TOXAPHENE	89
465	TRANID	2
466	TREFMID	3
467	TRETOLITE J-146	2

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Table A5. *Continued.*

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Table page	*Chemicals*	*No. of tests*	*Table page*	*Chemicals*	*No. of tests*
468	TRETOLITE JN-9045	1	493	TRIPHENYLTIN HYDROXIDE	5
469	TRETOLITE JW-8226	7	494	TRITON B-1956	1
470	TRIALLATE	7	495	UC 10854	2
471	TRICHLORFON	229	496	UREABOR	13
481	2,3,6-TRICHLOROBENZOIC ACID	1	497	VERNOLATE	8
482	TRICHLOROMANDELIC ACID	1	498	WARFARIN	1
483	TRICHLORONATE	3	499	WATER GLYCOLS 894-44A	9
484	TRICLOPYR	2	500	WATER GLYCOLS 894-44B	9
485	TRICRESYL PHOSPHATE	6	501	WATER GLYCOLS 894-44C	9
486	TRIFLURALIN	62	502	XYLENE	16
489	2,3,5-TRIMETHYL NAPHTHALENE	1	503	XYLENOL AMINO	2
490	2,3,6-TRIMETHYL NAPHTHALENE	1	504	XYLENOL DIMETHYLAMINO	8
491	TRI-N-BUTYL PHOSPHATE	1	505	Z-200	2
492	TRIPHENYL PHOSPHATE	3	506	ZINC SULFATE	6

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ACEPHATE

CAS # 30560-19-1 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	94.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.4	40
2	94.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.4	320
3	94.00% TECHNICAL MATERIAL	ISOGENUS SP.	1ST YEAR CLASS	.	7.0	7.0	35
4	75.00% WETTABLE POWDER	ISOGENUS SP.	1ST YEAR CLASS	.	7.0	7.5	42
5	94.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	7.5	38
6	94.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	6.5	40
7	94.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	8.5	38
8	94.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	17.0	7.4	40
9	94.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	17.0	7.4	320
10	75.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.2	40
11	75.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.2	40
12	75.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.2	40
13	75.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.2	40
14	94.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	12.0	7.8	42
15	94.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	7.0	7.5	42
16	94.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	12.0	6.5	42
17	94.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	12.0	7.5	42
18	94.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	12.0	8.5	42
19	94.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	12.0	7.8	330
20	75.00% WETTABLE POWDER	CUTTHROAT TROUT		0.90	12.0	7.5	42
21	94.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	10.0	7.4	40
22	94.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	6.5	40
23	94.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	8.5	40
24	94.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	12.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.	>50.	.	.		.	.
2	STATIC	LC		.	.	>50.	.	.		.	.
3	STATIC	LC	65.0	33.900	125.000		.	.	11.7	8.700	15.800
4	STATIC	LC	>50	.	.		.	.	12.0	8.000	17.900
5	STATIC	LC	>14.	.	.		.	.	9.5	7.300	12.300
6	STATIC	LC	29.3	22.800	37.600		.	.	6.4	5.300	7.800
7	STATIC	LC	>40.	.	.		.	.	21.2	15.600	28.200
8	STATIC	EC		.	.	>50.	.	.		.	.
9	STATIC	EC		.	.	>50.	.	.		.	.
10	0 DAY DEGRA	EC		.	.	>1000	.	.		.	.
11	1 DAY DEGRA	EC		.	.	>1000	.	.		.	.
12	3 DAY DEGRA	EC		.	.	>1000	.	.		.	.
13	7 DAY DEGRA	EC		.	.	>1000	.	.		.	.
14	STATIC	LC	>50.	.	.		.	.	>50.	.	.
15	STATIC	LC	>100.	.	.		.	.	>100.	.	.
16	STATIC	LC	>50.	.	.		.	.	>50.	.	.
17	STATIC	LC	>100.	.	.		.	.	>100.	.	.
18	STATIC	LC	>60.	.	.		.	.	>60.	.	.
19	STATIC	LC	>50.	.	.		.	.	>50.	.	.
20	STATIC	LC	>100.	.	.		.	.	>100.	.	.
21	STATIC	LC	>1000.	.	.		.	.	1100.	775.000	1561.000
22	STATIC	LC	>50.	.	.		.	.	>50.	.	.
23	STATIC	LC	>50.	.	.		.	.	>50.	.	.
24	STATIC	LC	>50.	.	.		.	.	>50.	.	.

ACEPHATE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	94.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	12.0	7.4	320
26	75.00% WETTABLE POWDER	RAINBOW TROUT		1.20	10.0	7.4	40
27	97.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	7.0	7.4	40
28	97.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	17.0	7.4	40
29	97.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	17.0	7.4	40
30	97.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	7.0	7.5	40
31	97.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	17.0	7.5	40
32	97.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	7.5	40
33	97.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	7.5	12
34	97.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	6.5	40
35	97.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	7.5	40
36	97.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	8.5	40
37	97.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	7.0	7.5	40
38	94.00% TECHNICAL MATERIAL	BROOK TROUT		1.50	12.0	7.5	42
39	75.00% WETTABLE POWDER	BROOK TROUT		0.70	7.0	7.5	42
40	75.00% WETTABLE POWDER	BROOK TROUT		0.70	17.0	7.5	42
41	75.00% WETTABLE POWDER	BROOK TROUT		0.20	12.0	6.5	42
42	75.00% WETTABLE POWDER	BROOK TROUT		0.20	12.0	7.5	42
43	75.00% WETTABLE POWDER	BROOK TROUT		0.20	12.0	9.0	42
44	75.00% WETTABLE POWDER	BROOK TROUT		0.20	12.0	8.0	12
45	75.00% WETTABLE POWDER	BROOK TROUT		0.20	12.0	8.0	44
46	75.00% WETTABLE POWDER	BROOK TROUT		0.20	12.0	8.0	300
47	75.00% WETTABLE POWDER	BROOK TROUT		1.00	7.0	7.5	40
48	75.00% WETTABLE POWDER	BROOK TROUT		1.00	17.0	7.5	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	>50.	.	.		.	.	>50.	.	.
26	STATIC	LC	>1000.	.	.		.	.	730.	580.000	920.000
27	STATIC	LC	>50.	.	.	>50.	.	.	>50.	.	.
28	STATIC	LC	>100.	.	.		.	.	110.	63.000	190.000
29	STATIC	LC	>50.	.	.	>50.	.	.	>50.	.	.
30	STATIC	LC	>50.	.	.	>50.	.	.	>50.	.	.
31	STATIC	LC	>50.	.	.	>50.	.	.	>50.	.	.
32	STATIC	LC	>50.	.	.	>50.	.	.	>50.	.	.
33	STATIC	LC	>50.	.	.	>50.	.	.	>50.	.	.
34	STATIC	LC	>50.	.	.	>50.	.	.	>50.	.	.
35	STATIC	LC	>50.	.	.	>50.	.	.	>50.	.	.
36	STATIC	LC	>50.	.	.	>50.	.	.	>50.	.	.
37	STATIC	LC	>50.	.	.	>50.	.	.	>50.	.	.
38	STATIC	LC	>50.	.	.		.	.	>50.	.	.
39	STATIC	LC	>100.	.	.		.	.	>100.	.	.
40	STATIC	LC	>100.	.	.		.	.	>100.	.	.
41	STATIC	LC	>100.	.	.		.	.	>100.	.	.
42	STATIC	LC	>100.	.	.		.	.	>100.	.	.
43	STATIC	LC	>100.	.	.		.	.	>100.	.	.
44	STATIC	LC	>100.	.	.		.	.	>100.	.	.
45	STATIC	LC	>100.	.	.		.	.	>100.	.	.
46	STATIC	LC	>100.	.	.		.	.	>100.	.	.
47	STATIC	LC	>100.	.	.	>100.	.	.	>100.	.	.
48	STATIC	LC	>100.	.	.	>100.	.	.	>100.	.	.

ACEPHATE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	75.00% WETTABLE POWDER	FATHEAD MINNOW		1.00	20.0	7.4	40
50	75.00% WETTABLE POWDER	FATHEAD MINNOW		1.00	20.0	7.4	40
51	94.00% TECHNICAL MATERIAL	CHANNEL CATFISH		2.00	22.0	7.4	40
52	75.00% WETTABLE POWDER	CHANNEL CATFISH		0.50	22.0	7.5	40
53	94.00% TECHNICAL MATERIAL	BLUEGILL		0.40	20.0	7.4	44
54	94.00% TECHNICAL MATERIAL	BLUEGILL		0.40	12.0	7.4	44
55	94.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	6.5	40
56	94.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	9.5	40
57	94.00% TECHNICAL MATERIAL	BLUEGILL		0.60	17.0	7.4	40
58	94.00% TECHNICAL MATERIAL	BLUEGILL		0.60	17.0	7.4	320
59	75.00% WETTABLE POWDER	BLUEGILL		0.40	20.0	7.4	40
60	94.00% TECHNICAL MATERIAL	YELLOW PERCH		2.00	12.0	7.5	42
61	75.00% WETTABLE POWDER	YELLOW PERCH		1.80	12.0	7.5	42
62	75.00% WETTABLE POWDER	YELLOW PERCH		1.80	12.0	6.5	42
63	75.00% WETTABLE POWDER	YELLOW PERCH		1.80	12.0	9.0	42
64	75.00% WETTABLE POWDER	YELLOW PERCH		1.80	12.0	8.0	12
65	75.00% WETTABLE POWDER	YELLOW PERCH		1.80	12.0	8.0	44
66	75.00% WETTABLE POWDER	YELLOW PERCH		1.80	12.0	8.0	300

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
49	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
50	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
51	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
52	STATIC	LC		560.000	1000.000		.	.		560.000	1000.000
53	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
54	STATIC	LC	>50.	.	.		.	.	>50.	.	.
55	STATIC	LC	>50.	.	.		.	.	>50.	.	.
56	STATIC	LC	>50.	.	.		.	.	>50.	.	.
57	STATIC	LC	>50.	.	.		.	.	>50.	.	.
58	STATIC	LC	>50.	.	.		.	.	>50.	.	.
59	STATIC	LC	>200.	.	.		.	.	>200.	.	.
60	STATIC	LC	>50.	.	.		.	.	>50.	.	.
61	STATIC	LC	>100.	.	.		.	.	>100.	.	.
62	STATIC	LC	>100.	.	.		.	.	>100.	.	.
63	STATIC	LC	>100.	.	.		.	.	>100.	.	.
64	STATIC	LC	>100.	.	.		.	.	>100.	.	.
65	STATIC	LC	>100.	.	.		.	.	>100.	.	.
66	STATIC	LC	>100.	.	.		.	.	>100.	.	.

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                                                                  ACETONE
   CAS # 67-64-1       PRINCIPAL USE:  SOLVENT                           MEASURED IN ML /L

                         CHEMICAL                                                                         DEG.  HARDNESS
OBS                    DESCRIPTION                SPECIES           SIZE        WEIGHT                    CENT.  PH   MG/L

  1  100.0% TECHNICAL MATERIAL          RAINBOW TROUT                          1.00                      12.0  7.4     40




OBS  _ TEST TYPE _            __ 24 HOUR __                          __ 48 HOUR __                          __ 96 HOUR __
                                     CONFIDENCE  INTERVAL                   CONFIDENCE  INTERVAL                   CONFIDENCE  INTERVAL

  1  STATIC        LC           6.01      4.660       7.750                      .           .            5.54      4.740        6.330
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AEROFROTH 71

CAS #　　　PRINCIPAL USE: FLOTATION AGENT　　　MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	CHANNEL CATFISH		1.10	15.0	7.4	272
2	100.0% COMMERCIAL FORMULATION	BLUEGILL		0.60	15.0	7.4	272

OBS	TEST TYPE		24 HOUR CONFIDENCE	24 HOUR INTERVAL	48 HOUR CONFIDENCE	48 HOUR INTERVAL	96 HOUR CONFIDENCE	96 HOUR INTERVAL
1	STATIC	LC	100.000	1000.000	.	.	10.000	100.000
2	STATIC	LC	100.000	1000.000	.	.	10.000	100.000

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                                                                          AERO XANTHATE 343
   CAS #              PRINCIPAL USE:  FLOTATION AGENT                              MEASURED IN MG /L

                 CHEMICAL                                                                              DEG.  HARDNESS
OBS             DESCRIPTION                  SPECIES            SIZE      WEIGHT                       CENT. PH  MG/L

  1  100.0% COMMERCIAL FORMULATION   CHANNEL CATFISH                        1.10                       15.0  7.4   272
  2  100.0% COMMERCIAL FORMULATION   BLUEGILL                               0.60                       15.0  7.4   272


      __ TEST TYPE __           ___ 24 HOUR ___                ___ 48 HOUR ___                ___ 96 HOUR ___
OBS                                    CONFIDENCE  INTERVAL           CONFIDENCE  INTERVAL           CONFIDENCE  INTERVAL

  1  STATIC       LC            >10.        .         .                  .         .        >10.         .         .
  2  STATIC       LC            >10.        .         .                  .         .        >10.         .         .
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AKTON

CAS # 1757-18-2 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	26.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		1.00	12.0	7.4	40
2	26.00% EMULSIFIABLE CONCENTRATE	FATHEAD MINNOW		1.00	12.0	7.4	40
3	80.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	18.0	7.4	40
4	80.00% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.4	40
5	80.00% TECHNICAL MATERIAL	REDEAR SUNFISH		2.50	18.0	7.4	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	8200.	.	.		.	.	1200.	1080.000	1370.000
2	STATIC	LC	1350.	.	.		.	.	270.	.	.
3	STATIC	LC	4200.	3119.000	5657.000		.	.	400.	295.000	542.000
4	STATIC	LC	590.	350.000	990.000		.	.	170.	100.000	270.000
5	STATIC	LC	>2400.	.	.		.	.	380.	170.000	850.000

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ALACHLOR

CAS # 15972-60-8 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	93.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	44
2	45.00% EMULSIFIABLE CONCENTRATE	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	44
3	93.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44
4	45.00% EMULSIFIABLE CONCENTRATE	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44
5	43.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.80	12.0	7.4	44
6	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	44
7	43.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.00	22.0	7.4	44
8	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	22.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	21.0	15.900	27.800		.	.
2	STATIC	EC		.	.	7.7	6.000	9.900		.	.
3	STATIC	EC		.	.	3.2	2.300	4.400		.	.
4	STATIC	EC		.	.	2.5	1.600	3.600		.	.
5	STATIC	LC	4.3	3.610	5.110		.	.	1.4	1.080	1.820
6	STATIC	LC		.	.		.	.	2.4	1.840	3.120
7	STATIC	LC	7.8	6.010	10.110		.	.	3.2	2.290	4.460
8	STATIC	LC	11.5	8.580	15.410		.	.	4.3	3.530	5.500

CAS # 116-06-3 PRINCIPAL USE: INSECTICIDE

ALDICARB

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	7.4	44
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		2.70	18.0	7.4	44
3	100.0% TECHNICAL MATERIAL	BLUEGILL		1.30	24.0	7.4	44
4	100.0% TECHNICAL MATERIAL	BLUEGILL		3.90	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	1000.	727.000	1376.000		.	.	560.	394.000	796.000
2	STATIC	LC	780.	592.000	1027.000		.	.	660.	472.000	921.000
3	STATIC	LC	103.	66.000	161.000		.	.	52.	34.000	79.000
4	STATIC	LC	160.	120.000	214.000		.	.	71.	54.000	93.000

ALDRIN

CAS # 309-00-2 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	40
2	90.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	40
3	90.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	40
4	90.00% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.4	40
5	90.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	21.0	7.1	40
6	90.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	16.0	7.1	40
7	90.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	IMMATURE	.	21.0	7.1	40
8	90.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	40
9	90.00% TECHNICAL MATERIAL	CHINOOK SALMON		0.80	15.0	7.2	81
10	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	2.0	7.1	40
11	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	7.0	7.1	40
12	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	13.0	7.1	40
13	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	18.0	7.1	40
14	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.1	40
15	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.7	135
16	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.60	18.0	7.1	40
17	90.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.50	24.0	7.1	40
18	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		5.20	18.0	7.4	40
19	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.1	40
20	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.7	135
21	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	7.0	7.4	40
22	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	13.0	7.4	40
23	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	18.0	7.4	40
24	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	24.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	28.	20.000	39.000		.	.
2	STATIC	EC		.	.	23.	17.000	30.000		.	.
3	STATIC	EC		.	.	32.	22.000	36.000		.	.
4	STATIC	EC		.	.	18.	15.000	21.000		.	.
5	STATIC	LC	56000.	42400.000	73900.000		.	.	4300.	3500.000	5300.000
6	STATIC	LC	52000.	38800.000	69700.000	12000.	7300.000	19800.000	5600.	5600.000	8700.000
7	STATIC	LC	120.	90.000	160.000		.	.	50.	38.000	65.000
8	STATIC	LC	30.	19.000	48.000		.	.	1.3	0.750	2.200
9	FLOW THROUGH	LC		.	.		.	.	14.3	8.820	23.200
10	STATIC	LC	24.0	19.000	31.000		.	.	3.40	1.600	7.200
11	STATIC	LC	7.50	6.100	9.200		.	.	3.2	2.800	3.600
12	STATIC	LC	6.50	5.700	7.500		.	.	2.60	2.300	2.900
13	STATIC	LC	4.50	4.000	5.000		.	.	2.60	2.500	2.900
14	STATIC	LC	19.0	11.000	32.000		.	.	8.2	6.000	11.100
15	STATIC	LC	19.2	11.400	32.400		.	.	9.3	6.800	10.300
16	STATIC	LC	15.	.	.		.	.	8.2	.	.
17	STATIC	LC	22.	.	.		.	.	19.	.	.
18	STATIC	LC	53.	.	.		.	.	53.	.	.
19	STATIC	LC	40.0	30.000	54.000		.	.	12.0	8.000	18.000
20	STATIC	LC	32.0	20.000	50.000		.	.	10.0	5.500	19.000
21	STATIC	LC	130.	105.000	160.000		.	.	9.7	8.400	11.300
22	STATIC	LC	36.8	31.400	43.000		.	.	7.7	6.600	9.000
23	STATIC	LC	16.4	14.000	19.000		.	.	6.2	5.200	7.700
24	STATIC	LC	9.3	7.400	11.700		.	.	5.6	4.700	6.700

ALDRIN

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	90.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		2.50	18.0	8.0	135
26	90.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	16.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	19.0	.	.		.	.	5.0	.	.
26	STATIC	LC	>180.	.	.	148.	29.000	768.000	68.	17.000	270.000

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CAS #   PRINCIPAL USE: INSECTICIDE

ALLETHRIN RACEMIC MIXTURE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	40
2	90.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	40
3	90.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	40
4	90.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	40
5	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	13.0	7.1	40
6	90.00% TECHNICAL MATERIAL	BLUEGILL		0.90	24.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	21.0	19.000	35.000		.	.
2	STATIC	EC		.	.	56.0	40.000	78.000		.	.
3	STATIC	LC	38.0	30.000	49.000		.	.	11.0	8.000	15.000
4	STATIC	LC	9.0	7.000	11.000		.	.	5.6	4.900	6.400
5	STATIC	LC	20.0	.	.		.	.	19.0	.	.
6	STATIC	LC	65.0	.	.		.	.	56.0	.	.

CAS # 13473-90-0 PRINCIPAL USE:

ALUMINUM NITRATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	7.20 % TECHNICAL MATERIAL	FATHEAD MINNOW		0.45	22.0	7.4	38

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	4.25	3.300	5.500

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                                                                               ALUMINUM SULFATE
    CAS # 10043-01-3    PRINCIPAL USE:                                                   MEASURED IN MG /L
                   CHEMICAL                                                                                      DEG.  HARDNESS
OBS             DESCRIPTION                  SPECIES             SIZE        WEIGHT                              CENT. PH  MG/L

  1  8.10 % TECHNICAL MATERIAL       FATHEAD MINNOW                            0.45                              22.0  7.4   38
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      __ TEST TYPE __         ___ 24 HOUR ___                    ___ 48 HOUR ___                    ___ 96 HOUR ___
OBS                                    CONFIDENCE INTERVAL                CONFIDENCE INTERVAL                CONFIDENCE INTERVAL

  1  STATIC        LC                      .           .                      .           .           4.4       3.400       5.600
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AMDRO

CAS # 67485-29-4 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	97.70% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	22.0	7.5	43
2	97.70% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	17.0	7.5	43
3	97.70% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	39
4	97.70% TECHNICAL MATERIAL	FATHEAD MINNOW		0.75	22.0	7.2	40
5	97.70% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	22.0	7.3	42
6	97.70% TECHNICAL MATERIAL	BLUEGILL		0.30	22.0	7.2	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	130.	60.000	280.000		.	.
2	STATIC	EC		.	.	140.	100.000	180.000		.	.
3	STATIC	LC		.	.		.	.	76.	59.000	97.000
4	STATIC	LC	240.	171.000	337.000		.	.	75.	59.000	96.000
5	STATIC	LC	130.	90.000	190.000		.	.	70.	53.000	92.000
6	STATIC	LC		.	.		.	.	120.	87.000	166.000

AMETRYN

CAS # 834-12-8 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	13.0	7.1	40
2	99.00% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	8.0	.	.	3.4	.	.	3.2	.	.
2	STATIC	LC	10.0	.	.	5.0	.	.	3.7	.	.

AMINOCARB

CAS # 2032-59-9 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.1	42
2	17.00% OIL SOLUBLE	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.1	42
3	17.00% OIL SOLUBLE	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	40
4	17.00% OIL SOLUBLE	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	40
5	17.00% OIL SOLUBLE	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.1	42
6	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.1	42
7	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	6.5	40
8	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.5	40
9	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	8.5	40
10	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	8.5	40
11	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	6.5	40
12	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.5	40
13	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	8.5	40
14	98.00% TECHNICAL MATERIAL	SKWALA SP.	NAIAD	0.12	7.0	7.0	35
15	17.00% OIL SOLUBLE	SKWALA SP.	NAIAD	0.16	7.0	7.5	42
16	98.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	0.07	12.0	6.5	42
17	98.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	0.06	12.0	7.5	40
18	98.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	0.04	12.0	8.5	45
19	17.00% OIL SOLUBLE	PTERONARCELLA BADIA	1ST YEAR CLASS	0.07	12.0	6.5	42
20	17.00% OIL SOLUBLE	PTERONARCELLA BADIA	1ST YEAR CLASS	0.06	12.0	7.5	38
21	17.00% OIL SOLUBLE	PTERONARCELLA BADIA	1ST YEAR CLASS	0.05	12.0	8.5	38
22	17.00% OIL SOLUBLE	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	42
23	17.00% OIL SOLUBLE	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	21.0	7.4	40
24	98.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.2	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC	>1000.	.	.	320.	271.000	378.000		.	.
2	STATIC	EC		.	.	19.	16.000	23.000		.	.
3	STATIC	EC		.	.		10.000	100.000		.	.
4	STATIC	LC	39.	30.000	51.000	29.	21.000	39.000	12.	8.200	17.500
5	STATIC	LC	>100.	.	.		.	.	30.	17.000	55.000
6	STATIC	LC	>1000.	.	.		.	.	145.	96.000	220.000
7	STATIC	EC	2500.	1610.000	3880.000		.	.		.	.
8	STATIC	EC	4300.	3060.000	6040.000	3100.	1890.000	5080.000		.	.
9	STATIC	EC	2900.	2150.000	3920.000		.	.		.	.
10	STATIC	EC	4100.	3020.000	5560.000	1800.	1340.000	2410.000		.	.
11	STATIC	EC	5000.	3250.000	7680.000		.	.		.	.
12	STATIC	EC	3300.	2530.000	4300.000	2630.	2000.000	3460.000	2200.	1480.000	3270.000
13	STATIC	EC	2850.	2010.000	4040.000	1700.	1170.000	2460.000		.	.
14	STATIC	LC	58.	41.000	82.000		.	.	41.	27.000	62.000
15	STATIC	LC		.	.		.	.	23.	18.000	29.000
16	STATIC	LC	35.	30.000	41.000		.	.	28.	18.000	43.000
17	STATIC	LC	34.	23.000	49.000		.	.	19.	14.000	26.000
18	STATIC	LC		.	.		.	.	26.	20.000	33.000
19	STATIC	LC	60.	44.000	82.000		.	.	21.	16.000	28.000
20	STATIC	LC	56.	36.000	87.000		.	.	16.	12.000	20.000
21	STATIC	LC	37.	.	.		.	.	23.	17.000	31.000
22	STATIC	EC	>100.	.	.	30.	22.000	41.000		.	.
23	STATIC	EC		.	.	270.	150.000	490.000		.	.
24	STATIC	EC		.	.	13500.	5100.000	36000.000		.	.

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AMINOCARB
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	7.4	206
26	17.00% OIL SOLUBLE	CUTTHROAT TROUT		1.00	10.0	7.4	206
27	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	12.0	7.5	42
28	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	7.0	7.5	42
29	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	12.0	6.5	40
30	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	12.0	8.5	40
31	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	12.0	7.8	40
32	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	12.0	7.8	340
33	17.00% OIL SOLUBLE	CUTTHROAT TROUT		0.60	12.0	7.5	40
34	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	10.0	7.2	40
35	17.00% OIL SOLUBLE	RAINBOW TROUT		1.50	10.0	7.2	40
36	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	7.0	7.4	40
37	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	12.0	7.4	40
38	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	17.0	7.4	40
39	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	12.0	7.4	40
40	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.4	320
41	17.00% OIL SOLUBLE	RAINBOW TROUT		0.40	10.0	8.1	10
42	17.00% OIL SOLUBLE	RAINBOW TROUT		0.40	10.0	8.1	40
43	17.00% OIL SOLUBLE	RAINBOW TROUT		0.40	10.0	8.1	160
44	17.00% OIL SOLUBLE	RAINBOW TROUT		0.40	10.0	8.1	320
45	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.40	12.0	8.5	40
46	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.40	12.0	7.5	40
47	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.40	12.0	8.5	40
48	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.40	12.0	9.5	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	38500.	26200.000	56500.000		.	.	31000.	18000.000	52400.000
26	STATIC	LC	1400.	858.000	2290.000		.	.	64.	31.000	134.000
27	STATIC	LC	32400.	27500.000	38200.000		.	.	28000.	24000.000	32600.000
28	STATIC	LC	28000.	24200.000	32400.000		.	.	27000.	21500.000	34000.000
29	STATIC	LC	29800.	24200.000	36700.000		.	.	26500.	21500.000	32600.000
30	STATIC	LC		.	.		.	.	1300.	1090.000	1560.000
31	STATIC	LC		.	.		.	.	22000.	18800.000	25700.000
32	STATIC	LC	29000.	23100.000	36500.000		.	.	24500.	19400.000	31000.000
33	STATIC	LC	200.	151.000	264.000		.	.	88.	73.000	106.000
34	STATIC	LC	32000.	23000.000	44000.000		.	.	13500.	11300.000	16200.000
35	STATIC	LC	135.	113.000	162.000		.	.	130.	103.000	164.000
36	STATIC	LC	>32000	.	.		.	.	27000.	19100.000	38200.000
37	STATIC	LC	>32000	.	.		.	.	18000.	12600.000	25700.000
38	STATIC	LC	30000.	18700.000	48000.000		.	.	17000.	12100.000	23900.000
39	STATIC	LC	>32000	.	.		.	.	25000.	17800.000	35100.000
40	STATIC	LC	>32000	.	.		.	.	12000.	9420.000	15300.000
41	STATIC	LC	135.	113.000	162.000		.	.	79.	63.000	98.000
42	STATIC	LC	125.	100.000	157.000		.	.	88.	71.000	109.000
43	STATIC	LC	150.	118.000	190.000		.	.	75.	63.000	90.000
44	STATIC	LC	170.	140.000	206.000		.	.	85.	69.000	104.000
45	STATIC	LC	33000.	26200.000	41600.000		.	.	17500.	15600.000	19600.000
46	STATIC	LC	28000.	26000.000	30100.000		.	.	21000.	18700.000	23600.000
47	STATIC	LC	25000.	22700.000	27500.000		.	.	21200.	19400.000	23100.000
48	STATIC	LC	5100.	4250.000	6120.000		.	.	<5000.	.	.

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                                                                          AMINOCARB
                                                                                  MEASURED IN UG /L

                  CHEMICAL                                                                                                      DEG.  HARDNESS
OBS              DESCRIPTION                        SPECIES                SIZE        WEIGHT                                   CENT.  PH  MG/L

 49   17.00% OIL SOLUBLE               RAINBOW TROUT                                    1.00                                    12.0  7.2    40
 50   17.00% OIL SOLUBLE               RAINBOW TROUT                                    1.20                                    10.0  7.2    40
 51   17.00% OIL SOLUBLE               RAINBOW TROUT                                    0.80                                    10.0  7.2    40
 52   17.00% OIL SOLUBLE               RAINBOW TROUT                                    0.80                                    10.0  7.2    40
 53   17.00% OIL SOLUBLE               RAINBOW TROUT                                    0.80                                    10.0  7.2    40
 54   17.00% OIL SOLUBLE               RAINBOW TROUT                                    3.70                                    10.0  7.4   272
 55   17.00% OIL SOLUBLE               RAINBOW TROUT          EYED EGG                   .                                      12.0  7.2    40
 56   17.00% OIL SOLUBLE               RAINBOW TROUT          EYED EGG                   .                                      10.0  7.4   272
 57   17.00% OIL SOLUBLE               RAINBOW TROUT          SWIMUP FRY                 .                                      12.0  7.4    40
 58   17.00% OIL SOLUBLE               RAINBOW TROUT          YOLK-SAC FRY               .                                      12.0  7.2    40
 59   17.00% OIL SOLUBLE               RAINBOW TROUT          YOLK-SAC FRY               .                                      10.0  7.4   272
 60   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  0.40                                    12.0  7.5    40
 61   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  0.40                                     7.0  7.5    40
 62   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  0.80                                    17.0  7.5    40
 63   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  0.40                                    12.0  6.5    40
 64   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  0.40                                    12.0  8.5    40
 65   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  0.40                                    12.0  8.0    10
 66   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  0.40                                    12.0  8.0    40
 67   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  1.00                                    12.0  7.5    40
 68   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  1.00                                    12.0  7.5    40
 69   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  1.00                                    12.0  7.5    40
 70   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  1.00                                    12.0  7.5    40
 71   98.00% TECHNICAL MATERIAL        ATLANTIC SALMON                                  1.00                                    12.0  7.5    40
 72   98.00% TECHNICAL MATERIAL        BROWN TROUT                                      0.50                                    12.0  7.5    40

      __ TEST TYPE __        ___ 24 HOUR ___                         ___ 48 HOUR ___                       ___ 96 HOUR ___
OBS                                   CONFIDENCE INTERVAL                   CONFIDENCE INTERVAL                   CONFIDENCE INTERVAL

 49   STATIC          LC         56.      40.000      79.000                  .          .             46.      38.000      56.000
 50   0 DAY DEGRA     LC        280.     230.000     340.000                  .          .            140.     120.000     170.000
 51   1 DAY DEGRA     LC        130.     103.000     164.000                  .          .             76.      56.000     103.000
 52   3 DAY DEGRA     LC        130.     103.000     164.000                  .          .             86.      68.000     108.000
 53   7 DAY DEGRA     LC        130.     103.000     164.000                  .          .            115.      92.000     144.000
 54   FLOW THROUGH    LC                    .           .                     .          .             54.      49.000      59.000
 55   STATIC          LC     100000         .           .                     .          .         >32000          .           .
 56   FLOW THROUGH    LC                    .           .                     .          .           >130.          .           .
 57   STATIC          LC         95.      76.000     120.000                  .          .             48.      36.000      63.000
 58   STATIC          LC         80.      64.000     100.000                  .          .             36.      30.000      44.000
 59   FLOW THROUGH    LC                    .           .                     .          .             38.      36.000      40.000
 60   STATIC          LC       7600.    5880.000    9820.000                  .          .           7600.    5880.000    9820.000
 61   STATIC          LC       4280.    3170.000    5780.000                  .          .           4200.    2240.000    7880.000
 62   STATIC          LC      10500.    8740.000   12600.000                  .          .           7000.    6010.000    8150.000
 63   STATIC          LC      11300.    7470.000   17100.000                  .          .           8550.    6310.000   11600.000
 64   STATIC          LC       6850.    5520.000    8500.000                  .          .           6030.    4550.000    7990.000
 65   STATIC          LC       4750.    3020.000    7460.000                  .          .           4750.    3020.000    7460.000
 66   STATIC          LC       5700.    3490.000    9300.000                  .          .           4050.    2090.000    7830.000
 67   0 DAY DEGRA     LC                    .           .                     .          .           2350.    1690.000    3260.000
 68   7 DAY DEGRA     LC                    .           .                     .          .           3500.    2980.000    4110.000
 69   14 DAY DEGRA    LC                    .           .                     .          .           4700.    3040.000    7270.000
 70   21 DAY DEGRA    LC                    .           .                     .          .           3500.    2640.000    4980.000
 71   28 DAY DEGRA    LC                    .           .                     .          .           2800.    1770.000    4440.000
 72   STATIC          LC      20000.   17000.000   23500.000                  .          .          15000.   11500.000   19500.000
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AMINOCARB
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
73	98.00% TECHNICAL MATERIAL	BROWN TROUT		1.00	7.0	7.5	40
74	98.00% TECHNICAL MATERIAL	BROWN TROUT		0.50	12.0	6.5	40
75	98.00% TECHNICAL MATERIAL	BROWN TROUT		0.50	12.0	8.5	40
76	98.00% TECHNICAL MATERIAL	BROWN TROUT		0.50	12.0	9.0	40
77	98.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	8.1	10
78	98.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	8.1	40
79	98.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	8.1	160
80	98.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	8.1	280
81	98.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	7.5	40
82	98.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	7.5	40
83	98.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	7.5	40
84	98.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	7.5	40
85	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.10	12.0	7.5	40
86	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	7.5	40
87	98.00% TECHNICAL MATERIAL	BROOK TROUT		1.00	7.0	7.5	40
88	98.00% TECHNICAL MATERIAL	BROOK TROUT		1.00	17.0	7.5	40
89	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	6.5	40
90	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	7.5	40
91	98.00% TECHNICAL MATERIAL	BROOK TROUT		1.20	12.0	8.5	40
92	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	9.0	40
93	98.00% TECHNICAL MATERIAL	BROOK TROUT		1.00	12.0	8.0	10
94	98.00% TECHNICAL MATERIAL	BROOK TROUT		1.00	12.0	8.0	40
95	98.00% TECHNICAL MATERIAL	BROOK TROUT		1.00	12.0	8.0	160
96	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.20	12.0	8.0	280

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
73	STATIC	LC	35000.	24400.000	50100.000		.	.	27500.	21400.000	35300.000
74	STATIC	LC	9200.	6760.000	12500.000		.	.	8500.	5950.000	12100.000
75	STATIC	LC	13500.	10700.000	17000.000		.	.	8800.	6870.000	11300.000
76	STATIC	LC	17000.	9700.000	29800.000		.	.	3150.	2280.000	4340.000
77	STATIC	LC	18000.	12600.000	25800.000		.	.	14000.	11400.000	17200.000
78	STATIC	LC	14300.	11100.000	18400.000		.	.	11500.	9730.000	13600.000
79	STATIC	LC		.	.		.	.	9000.	6200.000	13000.000
80	STATIC	LC	17100.	14600.000	20000.000		.	.	14000.	10400.000	18900.000
81	0 DAY DEGRA	LC		.	.		.	.	17000.	13500.000	21400.000
82	7 DAY DEGRA	LC		.	.		.	.	8600.	6910.000	10700.000
83	14 DAY DEGRA	LC		.	.		.	.	7000.	5210.000	9410.000
84	21 DAY DEGRA	LC		.	.		.	.	6100.	.	.
85	STATIC	LC	23000.	16900.000	31300.000		.	.	16000.	12700.000	20100.000
86	STATIC	LC	13000.	10500.000	16000.000		.	.	12100.	9600.000	15200.000
87	STATIC	LC	12400.	7930.000	19400.000		.	.	9400.	6870.000	12900.000
88	STATIC	LC	3150.	2570.000	3860.000		.	.	2600.	2090.000	3230.000
89	STATIC	LC		.	.		.	.	11000.	7700.000	15600.000
90	STATIC	LC		.	.		.	.	10500.	6100.000	18100.000
91	STATIC	LC	7400.	6200.000	8800.000		.	.	4300.	3400.000	5400.000
92	STATIC	LC		.	.		.	.	2200.	1800.000	2700.000
93	STATIC	LC	14800.	10200.000	21500.000		.	.	7700.	5300.000	11200.000
94	STATIC	LC	6100.	4120.000	9040.000		.	.	4850.	4020.000	5850.000
95	STATIC	LC	11600.	8310.000	16200.000		.	.	8000.	5800.000	11000.000
96	STATIC	LC	19000.	13900.000	25900.000		.	.	10600.	8660.000	13000.000

AMINOCARB
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
97	17.00% OIL SOLUBLE	BROOK TROUT		1.20	12.0	7.5	40
98	17.00% OIL SOLUBLE	BROOK TROUT		1.20	12.0	6.5	40
99	17.00% OIL SOLUBLE	BROOK TROUT		1.20	12.0	8.5	40
100	17.00% OIL SOLUBLE	BROOK TROUT		1.20	12.0	9.0	40
101	98.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	20.0	7.2	40
102	17.00% OIL SOLUBLE	FATHEAD MINNOW		0.70	20.0	7.2	40
103	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	20.0	7.4	40
104	17.00% OIL SOLUBLE	CHANNEL CATFISH		4.50	20.0	7.2	40
105	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		4.10	20.0	7.2	40
106	17.00% OIL SOLUBLE	CHANNEL CATFISH		0.90	17.0	7.4	40
107	17.00% OIL SOLUBLE	CHANNEL CATFISH		2.00	22.0	7.2	40
108	98.00% TECHNICAL MATERIAL	BLUEGILL		0.60	20.0	7.2	40
109	17.00% OIL SOLUBLE	BLUEGILL		0.60	20.0	7.2	40
110	98.00% TECHNICAL MATERIAL	BLUEGILL		0.90	12.0	7.5	40
111	98.00% TECHNICAL MATERIAL	BLUEGILL		1.90	12.0	7.5	40
112	98.00% TECHNICAL MATERIAL	BLUEGILL		0.40	17.0	7.4	40
113	98.00% TECHNICAL MATERIAL	BLUEGILL		0.40	17.0	7.4	320
114	98.00% TECHNICAL MATERIAL	BLUEGILL		0.40	12.0	7.4	40
115	98.00% TECHNICAL MATERIAL	BLUEGILL		0.40	17.0	7.4	40
116	98.00% TECHNICAL MATERIAL	BLUEGILL		0.40	22.0	7.4	40
117	98.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	6.5	40
118	98.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.5	40
119	98.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	8.5	40
120	98.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	9.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
97	STATIC	LC	162.	128.000	204.000		.	.	151.	122.000	187.000
98	STATIC	LC	180.	134.000	241.000		.	.	140.	113.000	174.000
99	STATIC	LC	180.	138.000	235.000		.	.	142.	114.000	176.000
100	STATIC	LC	142.	115.000	176.000		.	.	142.	115.000	176.000
101	STATIC	LC	10000.	7400.000	13400.000		.	.	8500.	6500.000	11100.000
102	STATIC	LC	75.	63.000	90.000		.	.	75.	63.000	90.000
103	STATIC	LC	>32000	.	.		.	.	10000.	6970.000	14330.000
104	STATIC	LC	245.	159.000	377.000		.	.	130.	105.000	160.000
105	STATIC	LC	47000.	28000.000	80000.000		.	.	4200.	3500.000	5000.000
106	STATIC	LC	75.	50.000	113.000		.	.	75.	63.000	89.000
107	STATIC	LC	240.	200.000	286.000		.	.	140.	104.000	187.000
108	STATIC	LC	7500.	4500.000	12400.000		.	.	3100.	1900.000	5100.000
109	STATIC	LC	118.	91.000	153.000		.	.	100.	68.000	148.000
110	STATIC	LC	25000.	18600.000	33700.000		.	.	20000.	14500.000	27600.000
111	STATIC	LC	20000.	15700.000	25400.000		.	.	12500.	9130.000	17100.000
112	STATIC	LC	8200.	5990.000	11220.000		.	.	3300.	2300.000	4730.000
113	STATIC	LC	7200.	5240.000	9890.000		.	.	4600.	3380.000	6270.000
114	STATIC	LC		.	.		.	.	4200.	3190.000	5530.000
115	STATIC	LC		.	.		.	.	6000.	4310.000	8360.000
116	STATIC	LC		.	.		.	.	3500.	2410.000	5070.000
117	STATIC	LC	13200.	10900.000	16100.000		.	.	10500.	8510.000	13000.000
118	STATIC	LC	14800.	12600.000	17300.000		.	.	8400.	6470.000	10900.000
119	STATIC	LC	16000.	12800.000	20000.000		.	.	5200.	3830.000	7070.000
120	STATIC	LC	3200.	2510.000	4080.000		.	.	<1000.	.	.

BEST COPY AVAILABLE

AMINOCARB
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
121	17.00% OIL SOLUBLE	BLUEGILL		0.30	17.0	7.4	40
122	17.00% OIL SOLUBLE	BLUEGILL		0.30	22.0	7.4	40
123	17.00% OIL SOLUBLE	BLUEGILL		0.30	27.0	7.4	40
124	17.00% OIL SOLUBLE	BLUEGILL		1.50	20.0	7.2	40
125	17.00% OIL SOLUBLE	BLUEGILL		1.50	20.0	7.2	40
126	17.00% OIL SOLUBLE	BLUEGILL		1.50	20.0	7.2	40
127	17.00% OIL SOLUBLE	BLUEGILL		1.50	20.0	7.2	40
128	17.00% OIL SOLUBLE	BLUEGILL		3.10	20.0	7.4	272
129	98.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70	18.0	7.8	135
130	98.00% TECHNICAL MATERIAL	YELLOW PERCH		0.60	12.0	7.5	40
131	17.00% OIL SOLUBLE	YELLOW PERCH		2.00	12.0	7.5	40
132	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.00	7.0	7.5	40
133	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.00	12.0	7.5	40
134	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.00	17.0	7.5	40
135	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.00	22.0	7.5	40
136	98.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	6.5	40
137	98.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	7.5	40
138	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.00	12.0	8.5	40
139	98.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	9.0	40
140	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.80	12.0	8.0	10
141	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.00	12.0	8.0	40
142	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.00	12.0	8.0	160
143	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.00	12.0	8.0	280
144	98.00% TECHNICAL MATERIAL	WALLEYE		0.80	18.0	7.8	135

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
121	STATIC	LC	130.	100.000	170.000		.	.	75.	63.000	90.000
122	STATIC	LC	110.	88.000	130.000		.	.	57.	49.000	67.000
123	STATIC	LC	69.	57.000	83.000		.	.	45.	36.000	56.000
124	0 DAY DEGRA	LC	270.	209.000	348.000		.	.	240.	201.000	286.000
125	1 DAY DEGRA	LC	240.	201.000	286.000		.	.	200.	144.000	278.000
126	3 DAY DEGRA	LC	250.	201.000	311.000		.	.	180.	153.000	212.000
127	7 DAY DEGRA	LC	240.	201.000	286.000		.	.	240.	201.000	286.000
128	FLOW THROUGH	LC		.	.		.	.	100.	95.000	106.000
129	STATIC	LC	8100.	6720.000	9760.000		.	.	3150.	2840.000	3490.000
130	STATIC	LC	6400.	5300.000	7730.000		.	.	6400.	5300.000	7730.000
131	STATIC	LC	1920.	1320.000	2800.000		.	.	230.	184.000	288.000
132	STATIC	LC	13000.	11600.000	14600.000		.	.	11700.	9990.000	13700.000
133	STATIC	LC	5950.	4880.000	7250.000		.	.	5600.	4710.000	6660.000
134	STATIC	LC	4700.	3960.000	5580.000		.	.	4700.	3960.000	5580.000
135	STATIC	LC	2100.	1600.000	2750.000		.	.	1700.	1330.000	2180.000
136	STATIC	LC	6600.	4870.000	8940.000		.	.	6400.	4730.000	8650.000
137	STATIC	LC	7000.	5510.000	8890.000		.	.	7000.	5510.000	8890.000
138	STATIC	LC		.	.		.	.	1430.	950.000	2160.000
139	STATIC	LC	5550.	4330.000	7120.000		.	.	425.	350.000	520.000
140	STATIC	LC	7800.	6270.000	9700.000		.	.	5400.	3740.000	7790.000
141	STATIC	LC	6700.	5350.000	8390.000		.	.	6200.	4950.000	7760.000
142	STATIC	LC	8400.	6410.000	11000.000		.	.	7400.	5220.000	10500.000
143	STATIC	LC	6100.	4890.000	7610.000		.	.	5600.	4770.000	6580.000
144	STATIC	LC	2000.	1570.000	2540.000		.	.	880.	755.000	1030.000

AMITROLE

CAS # 61-82-5 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	18.0	7.4	40
2	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	18.0	7.4	272
3	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.1	40
4	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.80	18.0	7.1	40
5	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.80	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>10.0	.	.		.	.	>10.0	.	.
2	STATIC	LC	>10.0	.	.		.	.	>10.0	.	.
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	>160.	.	.		.	.	>160.	.	.
5	STATIC	LC	>160.	.	.		.	.	>160.	.	.

ANILAZINE

CAS # 101-05-3 PRINCIPAL USE: FUNGICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.50% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
2	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	13.0	7.1	44
3	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	18.0	7.1	44
4	95.50% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.1	44
5	95.50% TECHNICAL MATERIAL	REDEAR SUNFISH		2.50	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	1250	950.000	1640.000		.	.	270	210.000	350.000
2	STATIC	LC	145.	127.000	166.000		.	.	140.	122.000	161.000
3	STATIC	LC	270.	120.000	640.000		.	.	240.	110.000	550.000
4	STATIC	LC	600.	319.000	1130.000		.	.	320.	142.000	735.000
5	STATIC	LC	<140.	.	.		.	.	<140.	.	.

CAS # 1397-94-0   PRINCIPAL USE: PISCICIDE

ANTIMYCIN A
MEASURED IN NG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.50% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.1	44
2	95.50% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.4	272
3	95.50% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
4	95.50% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
5	95.50% TECHNICAL MATERIAL	PADDLEFISH		0.01	15.0	7.4	272
6	95.50% TECHNICAL MATERIAL	COHO SALMON		0.90	12.0	7.1	44
7	95.50% TECHNICAL MATERIAL	COHO SALMON		5.60	12.0	7.1	44
8	95.50% TECHNICAL MATERIAL	COHO SALMON		11.10	12.0	7.1	44
9	95.50% TECHNICAL MATERIAL	COHO SALMON		19.40	12.0	7.1	44
10	95.50% TECHNICAL MATERIAL	COHO SALMON		1.50	12.0	7.1	44
11	95.50% TECHNICAL MATERIAL	COHO SALMON		0.50	17.0	7.4	270
12	95.50% TECHNICAL MATERIAL	COHO SALMON		19.50	12.0	7.1	40
13	95.50% TECHNICAL MATERIAL	COHO SALMON		1.80	16.0	7.1	40
14	95.50% TECHNICAL MATERIAL	COHO SALMON		1.50	12.0	7.1	40
15	95.50% TECHNICAL MATERIAL	COHO SALMON		0.75	16.0	7.1	40
16	95.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.10	9.0	7.4	162
17	95.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	9.0	7.9	170
18	95.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.10	9.0	7.9	170
19	95.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.10	9.0	7.9	170
20	95.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.10	9.0	7.9	170
21	95.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.10	9.0	7.9	170
22	95.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	9.0	7.9	170
23	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.1	44
24	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		4.70	12.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.		5000.000	10000.000		.	.
2	STATIC	LC	>1000.	.	.		.	.	>1000	.	.
3	STATIC	LC	10.0	7.500	13.000		.	.	8.0	5.800	11.000
4	STATIC	LC	>10000	.	.		.	.		3000.000	6000.000
5	STATIC	LC	3.	1.000	12.000		.	.	1.0	0.400	3.000
6	STATIC	LC	151.	99.000	233.000		.	.	18.	12.000	28.000
7	STATIC	LC	110.	62.000	197.000		.	.	9.	3.000	30.000
8	STATIC	LC	210.	96.000	460.000		.	.	20.	9.000	42.000
9	STATIC	LC	>650.	.	.		.	.	60.	40.000	89.000
10	STATIC	LC	>120.	.	.		.	.	21.	8.000	54.000
11	STATIC	LC	34.3	4.070	288.000	15.1	2.080	110.000	15.1	2.080	110.000
12	STATIC	LC	>420.	.	.	92.7	14.300	603.000		.	.
13	STATIC	LC	60.5	41.300	88.800	31.3	24.300	40.300	9.1	5.900	14.000
14	STATIC	LC	120.	7.800	1860.000	31.7	18.400	54.800		.	.
15	STATIC	LC	35.6	9.000	140.000	7.1	3.300	15.500		.	.
16	STATIC	LC	433.	283.000	660.000		.	.	57.	19.000	166.000
17	STATIC	LC		.	.		.	.	77.6	60.300	99.700
18	STATIC	LC		.	.		.	.	84.1	72.400	97.600
19	STATIC	LC		.	.		.	.	83.1	71.500	96.600
20	STATIC	LC		.	.		.	.	87.0	74.900	101.000
21	STATIC	LC		.	.	159.	124.000	205.000	60.	.	.
22	STATIC	LC		.	.		.	.	112.	78.500	160.000
23	STATIC	LC	71.	24.000	205.000		.	.	14.	7.000	27.000
24	STATIC	LC	126.	52.000	306.000		.	.	22.	8.000	59.000

BEST COPY AVAILABLE

ANTIMYCIN A
MEASURED IN NG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT		DEG. CENT.	PH	HARDNESS MG/L
25	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		10.80		12.0	7.1	44
26	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		23.50		12.0	7.1	44
27	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		46.00		12.0	7.1	44
28	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		107.00		12.0	7.1	44
29	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	FISH PROTEIN CONCENTRATE DIET	10.0	7.4	44
30	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	EWOS DIET	10.0	7.4	44
31	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	GLENCO DIET	10.0	7.4	44
32	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	FPRL 50 PERCENT PROTEIN DIET	10.0	7.4	44
33	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	DONALDSON STRAIN	12.0	7.4	44
34	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	IOWA STRAIN	12.0	7.4	44
35	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		3.40	MISSOURI STRAIN	12.0	7.4	44
36	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	MT. WHITNEY STRAIN	12.0	7.4	44
37	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.90	NEW HAMPSHIRE STRAIN	12.0	7.4	44
38	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	SOAP LAKE STRAIN	12.0	7.4	44
39	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		3.60	WYTHEVILLE STRAIN	12.0	7.4	44
40	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.30		12.0	7.1	40
41	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.60		12.0	7.4	40
42	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.00		12.0	7.1	40
43	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.00		12.0	7.1	40
44	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.50		12.0	7.1	40
45	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.20		12.0	7.1	40
46	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.70		12.0	7.1	40
47	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.70		12.0	7.1	40
48	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.40		12.0	7.1	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
25	STATIC	LC	347.	181.000	669.000		.	.	26.	9.000	80.000
26	STATIC	LC	191.	113.000	321.000		.	.	30.	12.000	74.000
27	STATIC	LC	120.	22.000	660.000		.	.	115.	49.000	272.000
28	STATIC	LC	314.	239.000	413.000		.	.	89.	68.000	117.000
29	STATIC	LC		85.000	120.000		.	.	24.	20.000	29.000
30	STATIC	LC		60.000	120.000		.	.	16.	12.000	21.000
31	STATIC	LC		85.000	120.000		.	.	32.	27.000	38.000
32	STATIC	LC		85.000	120.000		.	.	52.	44.000	62.000
33	STATIC	LC	>87.	.	.		.	.	13.	6.000	28.000
34	STATIC	LC	49.	38.000	64.000		.	.	<8.	.	.
35	STATIC	LC	>87.	.	.		.	.	11.	5.000	23.000
36	STATIC	LC	>87.	.	.		.	.	31.	10.000	93.000
37	STATIC	LC	85.	42.000	173.000		.	.	9.	1.000	61.000
38	STATIC	LC	>75.	.	.		.	.	7.	4.000	15.000
39	STATIC	LC	100.	.	.		.	.	8.	3.000	23.000
40	STATIC	LC	87.5	44.300	173.000	46.7	30.200	72.200	12.2	6.600	22.700
41	STATIC	LC	421.	192.000	920.000	194.	66.800	565.000	91.6	39.800	211.000
42	STATIC	LC	98.4	56.100	173.000	55.4	48.500	63.200	26.1	17.600	38.900
43	STATIC	LC	57.6	47.800	69.500	36.5	30.500	43.500	22.0	18.200	26.600
44	STATIC	LC	54.0	45.000	64.600	23.8	19.900	28.500	9.1	5.600	14.700
45	STATIC	LC	63.5	27.200	148.000	28.0	12.100	64.400	11.7	5.300	25.800
46	STATIC	LC	57.9	34.300	97.800	16.2	6.300	41.400	10.9	6.500	18.300
47	STATIC	LC	96.0	45.400	203.000	29.0	14.900	56.400	10.2	.	.
48	STATIC	LC	68.5	20.400	230.000		.	.		.	.

ANTIMYCIN A
MEASURED IN NG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT		DEG. CENT.	PH	HARDNESS MG/L
49	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.20		12.0	7.1	40
50	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		2.00	MT. WHITNEY STRAIN	12.0	7.1	40
51	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		20	MISSOURI STRAIN	12.0	7.1	40
52	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	MISSOURI STRAIN	12.0	7.1	40
53	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	MISSOURI STRAIN	12.0	7.1	40
54	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	MISSOURI STRAIN	12.0	7.1	40
55	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	MISSOURI STRAIN	17.0	7.1	40
56	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	MT. WHITNEY STRAIN	12.0	7.1	40
57	95.50% TECHNICAL MATERIAL	LAKE TROUT	FINGERLING	.		12.0	7.4	44
58	95.50% TECHNICAL MATERIAL	GOLDFISH		0.90		18.0	7.4	44
59	95.50% TECHNICAL MATERIAL	GOLDFISH		1.00		17.0	7.1	40
60	95.50% TECHNICAL MATERIAL	GOLDFISH		1.00		17.0	7.1	40
61	95.50% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80		17.0	7.1	44
62	95.50% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50		12.0	7.6	314
63	95.50% TECHNICAL MATERIAL	FATHEAD MINNOW		2.10		20.0	7.4	40
64	95.50% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00		12.0	7.1	40
65	95.50% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50		17.0	7.1	40
66	95.50% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90		17.0	7.1	40
67	95.50% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20		17.0	7.1	40
68	95.50% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70		17.0	7.1	40
69	95.50% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50		8.0	7.5	320
70	95.50% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20		18.0	7.1	44
71	95.50% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20		17.0	7.1	40
72	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		0.10		25.0	7.1	44

OBS	__ TEST TYPE __		___ 24 HOUR ___	CONFIDENCE INTERVAL		___ 48 HOUR ___	CONFIDENCE INTERVAL		___ 96 HOUR ___	CONFIDENCE INTERVAL	
49	STATIC	LC	69.5	31.800	152.000	19.6	9.900	38.800	10.4	5.600	19.300
50	STATIC	LC		.	.		49.000	87.000	39.2	18.200	84.600
51	STATIC	LC	120.	60.000	241.000	63.7	34.300	118.000	25.	.	.
52	STATIC	LC	81.6	40.100	166.000		.	.		.	.
53	STATIC	LC	142.	106.000	191.000	61.8	46.200	82.700		.	.
54	STATIC	LC	89.5	66.100	121.000	37.0	27.700	49.600	13.4	.	.
55	STATIC	LC	54.9	41.300	73.100	21.7	15.100	31.200		.	.
56	STATIC	LC		.	.	67.1	7.500	600.000	11.1	5.400	230.000
57	STATIC	LC	53.	45.000	63.000		.	.		.	.
58	STATIC	LC	1030.	800.000	1300.000		.	.	180.	99.000	348.000
59	STATIC	LC	2100.	1300.000	3200.000	500.	300.000	700.000	200.	90.000	300.000
60	STATIC	LC	510.	310.000	840.000	250.	180.000	320.000	190.	50.000	400.000
61	STATIC	LC	515.	155.000	1710.000		.	.	40.	21.000	77.000
62	FLOW THROUGH	LC		390.000	530.000		.	.	38.	23.000	61.000
63	STATIC	LC	910.	644.000	1290.000	468.	272.000	807.000	265.	102.000	687.000
64	STATIC	LC	194.	141.000	267.000	63.2	39.900	99.900		.	.
65	STATIC	LC	109.	73.100	165.000	69.9	43.200	113.000	32.2	20.300	50.500
66	STATIC	LC	121.	64.200	228.000	75.1	27.500	205.000	25.	8.400	74.000
67	STATIC	LC	250.	170.000	350.000	120.	80.000	170.000	80.	70.000	100.000
68	STATIC	LC		.	.	83.3	45.000	154.000	40.2	20.000	80.700
69	FLOW THROUGH	LC	>300.	.	.		.	.	165.	147.000	185.000
70	STATIC	LC	7500.	4300.000	13100.000		.	.	7500.	4300.000	13100.000
71	STATIC	LC	36800.	20300.000	67000.000		.	.	4800.	3400.000	6800.000
72	STATIC	LC	2070	1530.000	2810.000		.	.	1360	1020.000	1820.000

ANTIMYCIN A
MEASURED IN NG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT		DEG. CENT.	PH	HARDNESS MG/L
73	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		0.15		21.0	7.1	44
74	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		1.90		17.0	7.1	44
75	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		5.00		17.0	7.1	44
76	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		9.70		17.0	7.1	44
77	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		18.50		17.0	7.1	44
78	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		2.30		17.0	7.1	40
79	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		2.10		17.0	7.1	40
80	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40		17.0	7.1	40
81	95.50% TECHNICAL MATERIAL	WALKING CATFISH		3.80		25.0	7.1	44
82	95.50% TECHNICAL MATERIAL	MOSQUITOFISH		0.60	NON-RESISTANT STRAIN	17.0	7.1	44
83	95.50% TECHNICAL MATERIAL	MOSQUITOFISH		0.60	RESISTANT STRAIN	17.0	7.1	44
84	95.50% TECHNICAL MATERIAL	GREEN SUNFISH		1.10		18.0	7.1	44
85	95.50% TECHNICAL MATERIAL	BLUEGILL		1.20		17.0	7.1	44
86	95.50% TECHNICAL MATERIAL	BLUEGILL		4.80		17.0	7.1	44
87	95.50% TECHNICAL MATERIAL	BLUEGILL		9.70		17.0	7.1	44
88	95.50% TECHNICAL MATERIAL	BLUEGILL		20.00		17.0	7.1	44
89	95.50% TECHNICAL MATERIAL	BLUEGILL		1.10		17.0	7.1	40
90	95.50% TECHNICAL MATERIAL	BLUEGILL		1.20		17.0	7.1	40
91	95.50% TECHNICAL MATERIAL	BLUEGILL		0.80		17.0	7.1	40
92	95.50% TECHNICAL MATERIAL	BLUEGILL		1.00		17.0	7.1	40
93	95.50% TECHNICAL MATERIAL	BLUEGILL		0.70		17.0	7.1	40
94	95.50% TECHNICAL MATERIAL	BLUEGILL		0.70		17.0	7.1	40
95	95.50% TECHNICAL MATERIAL	BLUEGILL		0.60		17.0	7.1	40
96	95.50% TECHNICAL MATERIAL	BLUEGILL		1.10		17.0	7.1	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
73	STATIC	LC	1580.	1120.000	2220.000		.	.	1580.	1120.000	2220.000
74	STATIC	LC	6230.	3010.000	12900.000		.	.	3300.	1530.000	7110.000
75	STATIC	LC	7270.	787.000	67000.000		.	.	4610.	2260.000	9380.000
76	STATIC	LC	8180.	5310.000	12600.000		.	.	>3200.	.	.
77	STATIC	LC	9310.	4500.000	19300.000		.	.	6860.	3140.000	15000.000
78	STATIC	LC	5700.	3030.000	10700.000	5570.	2960.000	10500.000	4230.	2830.000	6340.000
79	STATIC	LC	4360.	.	.	4360.	.	.	4360.	3140.000	6060.000
80	STATIC	LC	4910.	1950.000	12400.000	3670.	828.000	16300.000	3420.	749.000	15600.000
81	STATIC	LC	20000.	.	.		.	.	15000.	.	.
82	STATIC	LC	870.	.	.		.	.	192.	114.000	324.000
83	STATIC	LC	1010.	660.000	1540.000		.	.	564.	358.000	884.000
84	STATIC	LC	579.	465.000	721.000		.	.	220.	128.000	416.000
85	STATIC	LC	226.	131.000	392.000		.	.	38.1	19.300	75.000
86	STATIC	LC	484.	211.000	1110.000		.	.	68.	27.000	169.000
87	STATIC	LC	1000.	416.000	2400.000		.	.	180.	138.000	234.000
88	STATIC	LC	1340.	360.000	5000.000		.	.	197.	66.000	590.000
89	STATIC	LC	130.	90.000	180.000	60.	30.000	110.000	<50.	.	.
90	STATIC	LC	180.	110.000	300.000	110.	80.000	140.000	80.	60.000	110.000
91	STATIC	LC	200.	93.700	423.000	101.	58.500	174.000	36.9	22.500	60.500
92	STATIC	LC	284.	87.300	926.000	110.	61.300	198.000	61.7	34.200	111.000
93	STATIC	LC	448.	192.000	1040.000	216.	86.000	540.000	159.	99.800	251.000
94	STATIC	LC		.	.	211.	62.400	716.000	135.	68.800	264.000
95	STATIC	LC	923.	63.100	13500.000	218.	16.800	2840.000	89.4	1.100	894.000
96	STATIC	LC	444.	301.000	657.000	362.	247.000	530.000	81.7	48.600	138.000

ANTIMYCIN A
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
97	95.50% TECHNICAL MATERIAL	BLUEGILL		0.90	17.0	7.1	40
98	95.50% TECHNICAL MATERIAL	BLUEGILL		1.50	17.0	7.1	40
99	95.50% TECHNICAL MATERIAL	BLUEGILL		1.20	17.0	7.1	40
100	95.50% TECHNICAL MATERIAL	BLUEGILL		1.10	17.0	7.1	40
101	95.50% TECHNICAL MATERIAL	BLUEGILL		1.40	17.0	7.1	40
102	95.50% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.60	17.0	7.1	44
103	95.50% TECHNICAL MATERIAL	LARGEMOUTH BASS		5.70	17.0	7.1	44
104	95.50% TECHNICAL MATERIAL	LARGEMOUTH BASS		6.10	17.0	7.1	44
105	95.50% TECHNICAL MATERIAL	LARGEMOUTH BASS		11.70	17.0	7.1	44
106	95.50% TECHNICAL MATERIAL	LARGEMOUTH BASS		20.50	17.0	7.1	44
107	95.50% TECHNICAL MATERIAL	WHITE CRAPPIE		1.50	17.0	7.1	44
108	95.50% TECHNICAL MATERIAL	YELLOW PERCH		0.70	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
97	STATIC	LC	280.	162.000	481.000	132.	45.400	241.000	103.	43.900	239.000
98	STATIC	LC	328.	133.000	813.000	69.2	31.400	153.000	33.9	8.100	141.000
99	STATIC	LC	280.	190.000	410.000	150.	97.000	230.000	50.	20.000	170.000
100	STATIC	LC	146.	99.800	214.000	64.3	46.300	89.400	44.6	30.400	65.500
101	STATIC	LC	518.	262.000	1030.000	159.	117.000	217.000	94.3	67.300	132.000
102	STATIC	LC	1020.	593.000	1760.000		.	.	237.	159.000	354.000
103	STATIC	LC	369.	160.000	849.000		.	.	>180.	.	.
104	STATIC	LC	>1000.	.	.		.	.	252.	124.000	515.000
105	STATIC	LC	562.	143.000	2220.000		.	.	88.	50.000	153.000
106	STATIC	LC	535.	136.000	2110.000		.	.	63.	40.000	100.000
107	STATIC	LC	420.	356.000	495.000		.	.	340.	273.000	424.000
108	STATIC	LC	54.	42.000	70.000		.	.	40.	31.000	52.000

APHOLATE

CAS # 52-46-0 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	13.0	7.1	44
2	100.0% TECHNICAL MATERIAL	BLUEGILL		8.50	13.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>40.	.	.		.	.	>40.	.	.
2	STATIC	LC	>30.	.	.		.	.	>30.	.	.

AQUA COP

CAS #   PRINCIPAL USE: ALGICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	8.00 % LIQUID	RAINBOW TROUT		1.00	12.0	7.4	40
2	8.00 % LIQUID	CHANNEL CATFISH		0.90	22.0	7.6	44
3	8.00 % LIQUID	BLUEGILL		0.80	22.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	24.	19.000	31.000
2	STATIC	LC		.	.		.	.	24.	16.000	36.000
3	STATIC	LC	29.	20.000	42.000		.	.	29.	20.000	42.000

BEST COPY AVAILABLE

AQUA-VATOR

CAS #   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	25.00% LIQUID	APPLE SNAIL	2 DAY	.	22.0	7.2	42
2	25.00% LIQUID	RAINBOW TROUT		1.00	12.0	7.4	40
3	25.00% LIQUID	CHANNEL CATFISH		1.00	22.0	7.6	42
4	25.00% LIQUID	BLUEGILL		0.80	22.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	0.25	0.110	0.560
2	STATIC	LC		.	.		.	.	18.	10.000	32.000
3	STATIC	LC	>100.	.	.		.	.	43.	36.000	52.000
4	STATIC	LC		.	.		.	.	92.	69.000	122.000

ARAMITE

CAS # 140-57-8 PRINCIPAL USE: ACARICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.4	272
2	90.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.4	272
3	90.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
4	90.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
5	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	13.0	7.4	44
6	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	24.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	160.	113.000	225.000		.	.
2	STATIC	EC		.	.	230.	140.000	390.000		.	.
3	STATIC	LC	350.	250.000	495.000		.	.	60.	43.000	84.000
4	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
5	STATIC	LC	720.	616.000	842.000		.	.	320.	265.000	387.000
6	STATIC	LC	480.	.	.		.	.	350.	.	.

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                                                                          ATRAZINE 4L
     CAS # 1912-24-9     PRINCIPAL USE:  HERBICIDE                                 MEASURED IN MG /L

                   CHEMICAL                                                                                    DEG.  HARDNESS
  OBS            DESCRIPTION                     SPECIES              SIZE      WEIGHT                         CENT. PH  MG/L

    1  43.00% LIQUID                   RAINBOW TROUT                              0.70                         12.0  7.3    40
    2  43.00% LIQUID                   BLUEGILL                                   0.60                         22.0  7.1    43




       __ TEST TYPE __          ___ 24 HOUR ___                ___ 48 HOUR ___                ___ 96 HOUR ___
  OBS                                 CONFIDENCE  INTERVAL            CONFIDENCE  INTERVAL            CONFIDENCE  INTERVAL

    1  STATIC        LC                    .          .                     .          .        24.      18.000      32.000
    2  STATIC        LC           48.    42.000     55.000                  .          .        42.      36.000      49.000
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CAS # 20762-60-1 PRINCIPAL USE: HERBICIDE

AZIDE POTASSIUM
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	98.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	98.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
4	98.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
5	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	44
6	98.00% TECHNICAL MATERIAL	BLUEGILL		0.40	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	7.50	6.300	9.100		.	.
2	STATIC	EC		.	.	8.40	6.100	12.200		.	.
3	STATIC	LC	15.0	11.000	18.000		.	.	6.40	4.600	8.900
4	STATIC	LC	22.0	17.000	29.000		.	.	8.00	5.700	11.000
5	STATIC	LC	1.70	.	.		.	.	1.60	.	.
6	STATIC	LC	2.70	.	.		.	.	0.78	.	.

AZIDE SODIUM
MEASURED IN MG /L

CAS # 26628-22-8   PRINCIPAL USE: HERBICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	98.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	98.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
4	98.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
5	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	44
6	98.00% TECHNICAL MATERIAL	BLUEGILL		0.60	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	4.20	2.800	6.200		.	.
2	STATIC	EC		.	.	6.40	4.600	8.900		.	.
3	STATIC	LC	14.0	13.000	15.000		.	.	5.00	3.700	6.800
4	STATIC	LC	16.0	11.000	22.000		.	.	9.00	6.400	13.000
5	STATIC	LC	1.00	.	.		.	.	0.80	.	.
6	STATIC	LC	2.10	.	.		.	.	0.68	.	.

AZINPHOS-ETHYL

CAS # 2642-71-9 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	88.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.1	44
2	88.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
3	88.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
4	88.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
5	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	44
6	88.00% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	4.0	3.000	5.300		.	.
2	STATIC	EC		.	.	3.2	1.800	5.800		.	.
3	STATIC	EC		.	.	4.2	2.900	6.100		.	.
4	STATIC	LC	>2.	.	.		.	.	1.5	0.800	2.700
5	STATIC	LC	50.	44.000	57.000		.	.	20.	17.000	22.000
6	STATIC	LC	3.7	3.200	4.300		.	.	1.1	0.900	1.200

BEST COPY AVAILABLE

AZINPHOS-METHYL

CAS # 86-50-0 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	93.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.1	44
2	93.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
3	93.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
4	93.00% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	12.0	7.5	44
5	93.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
6	93.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
7	93.00% TECHNICAL MATERIAL	COHO SALMON		0.70	12.0	7.5	44
8	93.00% TECHNICAL MATERIAL	COHO SALMON		4.70	12.0	7.1	44
9	93.00% TECHNICAL MATERIAL	COHO SALMON		9.50	12.0	7.1	44
10	93.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.1	44
11	93.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	2.0	7.1	44
12	93.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	7.0	7.1	44
13	93.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	12.0	7.1	44
14	93.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	18.0	7.1	44
15	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.50	12.0	7.5	44
16	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.80	12.0	7.5	44
17	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.80	12.0	7.5	44
18	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.80	12.0	7.5	44
19	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.80	12.0	7.5	44
20	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.50	12.0	7.5	44
21	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.50	12.0	7.5	40
22	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON	FINGERLING	.	12.0	7.5	314
23	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON	GREEN EGG	.	7.0	6.6	12
24	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON	GREEN EGG	.	7.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	162.	117.000	225.000		.	.	21.	15.000	28.000
2	STATIC	LC	0.56	0.390	0.810	0.25	0.190	0.350	0.15	0.110	0.200
3	STATIC	LC	0.44	0.260	0.750	0.16	0.080	0.320	0.10	0.070	0.140
4	STATIC	LC	>200.	.	.		.	.	56.	41.000	77.000
5	FLOW THROUGH	LC	2.5	0.820	3.700		.	.	1.2	.	.
6	STATIC	LC	25.	21.000	29.000	8.0	6.000	10.000	1.9	1.500	2.400
7	STATIC	LC	7.6	5.800	9.900		.	.	6.1	5.000	7.400
8	STATIC	LC	23.	17.000	31.000		.	.	3.2	2.500	4.000
9	STATIC	LC	4.0	2.800	5.700		.	.	3.2	2.400	4.200
10	STATIC	LC	10.	8.000	13.000		.	.	4.3	3.000	6.400
11	STATIC	LC	26.	23.000	29.000		.	.	7.1	6.400	7.900
12	STATIC	LC	16.	15.000	17.000		.	.	5.8	4.800	7.000
13	STATIC	LC	13.	10.000	15.000		.	.	6.3	5.500	7.200
14	STATIC	LC	13.	10.000	16.000		.	.	2.9	2.300	3.700
15	STATIC	LC	>9.0	.	.		.	.	2.1	1.700	2.600
16	STATIC	LC	7.5	5.800	9.700		.	.	2.7	2.200	3.300
17	STATIC	LC	10.	7.800	13.000		.	.	3.2	2.800	3.700
18	STATIC	LC	9.0	7.200	11.300		.	.	3.5	3.000	4.100
19	STATIC	LC	>15.	.	.		.	.	>15.	.	.
20	STATIC	LC	7.6	6.300	9.200		.	.	3.6	3.200	4.100
21	STATIC	LC		.	.		.	.	2.5	2.000	3.100
22	FLOW THROUGH	LC		.	.		.	.	2.5	2.000	3.200
23	STATIC	LC	>50.	.	.		.	.	>50.	.	.
24	STATIC	LC	>50.	.	.		.	.	>50.	.	.

AZINPHOS-METHYL
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON	GREEN EGG	.	7.0	7.8	170
26	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	7.0	6.6	12
27	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	7.0	7.4	44
28	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	7.0	7.8	170
29	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	6.6	12
30	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	7.4	44
31	93.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	7.8	170
32	93.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	7.5	44
33	93.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	6.5	44
34	93.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	9.5	44
35	93.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	7.5	12
36	93.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	7.5	170
37	93.00% TECHNICAL MATERIAL	BROWN TROUT		1.50	12.0	7.5	40
38	93.00% TECHNICAL MATERIAL	BROOK TROUT		1.20	12.0	7.5	40
39	93.00% TECHNICAL MATERIAL	NORTHERN PIKE	YOLK-SAC FRY	.	12.0	7.5	44
40	93.00% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.1	44
41	93.00% TECHNICAL MATERIAL	CARP		0.60	18.0	7.1	44
42	93.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.1	44
43	93.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.4	272
44	93.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	17.0	7.1	40
45	93.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.70	18.0	7.1	44
46	93.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	18.0	7.4	272
47	93.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	16.0	7.7	135
48	93.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	>50.	.	.		.	.	>50.	.	.
26	STATIC	LC	>15.	.	.		.	.	>15.	.	.
27	STATIC	LC	>15.	.	.		.	.	18.	13.000	25.000
28	STATIC	LC	>15.	.	.		.	.	15.	12.000	19.000
29	STATIC	LC	>15.	.	.		.	.	3.5	.	.
30	STATIC	LC	>15.	.	.		.	.	2.3	.	.
31	STATIC	LC	>15	.	.		.	.	1.8	1.300	2.600
32	STATIC	LC	7.0	5.200	9.400		.	.	4.6	3.500	6.100
33	STATIC	LC	7.0	5.500	8.900		.	.	4.3	3.400	5.500
34	STATIC	LC	8.0	6.900	9.200		.	.	3.5	2.700	4.500
35	STATIC	LC	8.0	5.500	11.700		.	.	6.0	4.900	7.300
36	STATIC	LC	6.0	4.900	7.300		.	.	5.1	4.400	5.900
37	STATIC	LC	7.10	5.580	9.030		.	.	6.60	5.390	8.090
38	STATIC	LC	2.3	1.900	2.700		.	.	1.2	0.870	1.660
39	STATIC	LC	0.67	0.490	0.910		.	.	0.36	0.270	0.480
40	STATIC	LC	7050.	5460.000	9120.000		.	.	4270.	3030.000	6010.000
41	STATIC	LC	1240.	853.000	1770.000		.	.	695.	410.000	1280.000
42	STATIC	LC	255.	150.000	438.000		.	.	235.	135.000	410.000
43	STATIC	LC	524.	277.000	986.000		.	.	293.	110.000	780.000
44	STATIC	LC	160.	119.000	213.000	160.	119.000	213.000	148.	104.000	204.000
45	STATIC	LC	5410.	3960.000	7750.000		.	.	3500.	2920.000	4950.000
46	STATIC	LC	10000.	7420.000	13900.000		.	.	4600.	2730.000	7770.000
47	STATIC	LC	7230.	5400.000	9700.000	7130.	5360.000	9490.000	4810.	3900.000	5910.000
48	STATIC	LC	4530.	3470.000	5900.000		.	.	3290.	2490.000	4340.000

BEST COPY AVAILABLE

AZINPHOS-METHYL
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	93.00% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.1	44
50	93.00% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.1	44
51	93.00% TECHNICAL MATERIAL	BLUEGILL		0.90	12.0	7.1	44
52	93.00% TECHNICAL MATERIAL	BLUEGILL		0.90	18.0	7.1	44
53	93.00% TECHNICAL MATERIAL	BLUEGILL		0.90	24.0	7.1	44
54	93.00% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	6.5	44
55	93.00% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	8.5	44
56	93.00% TECHNICAL MATERIAL	BLUEGILL		2.20	12.0	7.5	314
57	93.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	18.0	7.1	44
58	93.00% TECHNICAL MATERIAL	BLACK CRAPPIE		1.00	18.0	7.1	44
59	93.00% TECHNICAL MATERIAL	YELLOW PERCH		1.40	18.0	7.1	44
60	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	7.0	7.5	44
61	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	17.0	7.5	44
62	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	22.0	7.5	44
63	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	6.5	44
64	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	7.5	44
65	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.5	44
66	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	9.0	44
67	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.0	12
68	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.0	44
69	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.0	170
70	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.0	300
71	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	7.5	44
72	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	7.5	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
49	STATIC	LC	130.	84.000	201.000		.	.	52.	28.000	94.000
50	STATIC	LC	26.	23.000	29.000		.	.	22.	20.000	25.000
51	STATIC	LC	14.	12.000	16.000	11.0	9.300	13.000	8.2	7.000	9.600
52	STATIC	LC	16.	14.000	18.000		.	.	8.0	6.800	9.400
53	STATIC	LC	17.	14.000	20.000	9.0	7.700	10.500	4.1	3.700	4.500
54	STATIC	LC	42.	31.000	56.000		.	.	17.	13.000	23.000
55	STATIC	LC	52.	40.000	68.000		.	.	34.	24.000	48.000
56	FLOW THROUGH	LC		.	.		.	.	4.8	3.700	6.700
57	STATIC	LC	23.	18.000	29.000		.	.	4.8	3.100	7.400
58	STATIC	LC	4.7	3.700	6.000		.	.	3.0	2.300	3.800
59	STATIC	LC	52.	46.000	59.000		.	.	15.	11.000	19.000
60	STATIC	LC	100.	80.000	126.000		.	.	40.	27.000	58.000
61	STATIC	LC	51.	37.000	70.000		.	.	5.6	3.000	11.000
62	STATIC	LC	>15.	.	.		.	.	2.4	1.800	3.300
63	STATIC	LC	54.	45.000	64.000		.	.	17.	12.000	25.000
64	STATIC	LC	>50.	.	.		.	.	29.	23.000	36.000
65	STATIC	LC	70.	56.000	88.000		.	.	8.5	6.000	12.000
66	STATIC	LC	77.	63.000	95.000		.	.	29.	21.000	39.000
67	STATIC	LC	>50.	.	.		.	.	18.	14.000	24.000
68	STATIC	LC	>50.	.	.		.	.	36.	28.000	46.000
69	STATIC	LC	>50.	.	.		.	.	11.	8.600	14.000
70	STATIC	LC	>50.	.	.		.	.	27.	20.000	36.000
71	0 DAY DEGRA	LC	>40.	.	.		.	.	10.	7.000	14.000
72	7 DAY DEGRA	LC	>40.	.	.		.	.	24.	18.000	31.000

AZINPHOS-METHYL
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
73	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	7.5	44
74	93.00% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	7.5	44
75	93.00% TECHNICAL MATERIAL	YELLOW PERCH		15.00	12.0	7.5	314
76	93.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	15.0	7.1	44
77	93.00% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	.	15.0	7.4	272

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
73	14 DAY DEGRA	LC	>40.	.	.		.	.	20.	15.000	26.000
74	21 DAY DEGRA	LC	>40	.	.		.	.	33.	19.000	59.000
75	FLOW THROUGH	LC	>4.	.	.		.	.	6.5	3.600	11.000
76	STATIC	LC	710.	563.000	895.000		.	.	109.	72.000	164.000
77	STATIC	LC	>3200.	.	.		.	.	3200.	2243.000	4565.000

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                                                                        BACILLUS THURINGIENSIS
      CAS #                PRINCIPAL USE:  INSECTICIDE                           MEASURED IN MG /L

                 CHEMICAL                                                                                 DEG.  HARDNESS
  OBS          DESCRIPTION                     SPECIES              SIZE          WEIGHT                 CENT.  PH   MG/L

   1   100.0% COMMERCIAL FORMULATION    PTERONARCYS CALIFORNICA   2ND YEAR CLASS    .                    15.0  7.1     44
   2   100.0% COMMERCIAL FORMULATION    RAINBOW TROUT                              1.50                  13.0  7.1     44
   3   100.0% COMMERCIAL FORMULATION    BLUEGILL                                   1.10                  18.0  7.1     44




        __ TEST TYPE __          ___ 24 HOUR ___              ___ 48 HOUR ___              ___ 96 HOUR ___
  OBS                                  CONFIDENCE INTERVAL          CONFIDENCE INTERVAL          CONFIDENCE INTERVAL

   1   STATIC       LC            80.      .        .                      .        .        10.      .        .
   2   STATIC       LC           >10.      .        .                      .        .       >10.      .        .
   3   STATIC       LC          >100.      .        .                      .        .        95.      .        .
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BARBAN

CAS # 101-27-9 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	22.40% EMULSIFIABLE CONCENTRATE	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.2	42
2	22.40% EMULSIFIABLE CONCENTRATE	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.2	42

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.43	0.360	0.510		.	.
2	STATIC	EC		.	.	0.32	0.230	0.440		.	.

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CAS # 1861-40-1 PRINCIPAL USE: HERBICIDE

BENEFIN

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.1	44
2	100.0% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44
3	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	8.22	2.360	28.600	4.	2.720	5.820	1.10	0.630	1.930
2	STATIC	LC	0.88	0.720	1.080	0.85	0.680	10.500	0.81	0.650	1.020
3	STATIC	LC		1.000	10.000		.	.		0.100	1.000

BENOMYL

CAS # 17804-35-2 PRINCIPAL USE: FUNGICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	40
2	99.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	40
3	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	EARLY INSTAR	.	22.0	7.4	40
4	99.00% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	22.0	7.4	40
5	99.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	40
6	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.4	44
7	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	7.0	7.4	44
8	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	44
9	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	17.0	7.4	44
10	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	6.5	44
11	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.5	44
12	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	8.5	44
13	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	44
14	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	320
15	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.4	44
16	50.00% WETTABLE POWDER	RAINBOW TROUT		1.00	12.0	7.4	44
17	99.00% TECHNICAL MATERIAL	RAINBOW TROUT	FINGERLING	0.30	12.0	7.4	44
18	99.00% TECHNICAL MATERIAL	RAINBOW TROUT	SWIMUP FRY	.	12.0	7.4	44
19	99.00% TECHNICAL MATERIAL	RAINBOW TROUT	YOLK-SAC FRY	.	12.0	7.4	44
20	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	22.0	7.4	44
21	50.00% WETTABLE POWDER	FATHEAD MINNOW		0.50	22.0	7.4	44
22	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50	22.0	7.1	45
23	50.00% WETTABLE POWDER	FATHEAD MINNOW		0.50	22.0	7.1	45
24	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.20	22.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	2800.	2100.000	3700.000		.	.
2	STATIC	LC		.	.		.	.	750.	500.000	1100.000
3	STATIC	LC	>10000	.	.		.	.	>10000	.	.
4	STATIC	LC	>100000	.	.		.	.	>100000	.	.
5	STATIC	EC		.	.	7000.	5300.000	9200.000		.	.
6	STATIC	LC	560.	380.000	800.000		.	.	170.	120.000	230.000
7	STATIC	LC	700.	530.000	930.000		.	.	170.	110.000	250.000
8	STATIC	LC		.	.		.	.	200.	140.000	280.000
9	STATIC	LC	560.	370.000	840.000		.	.	280.	200.000	390.000
10	STATIC	LC	640.	470.000	870.000		.	.	160.	100.000	240.000
11	STATIC	LC		.	.		.	.	190.	120.000	290.000
12	STATIC	LC	4000.	2800.000	5600.000		.	.	880.	630.000	1240.000
13	STATIC	LC	800.	520.000	1220.000		.	.	230.	170.000	310.000
14	STATIC	LC		.	.		.	.	600.	420.000	850.000
15	STATIC	LC		.	.		.	.	150.	110.000	200.000
16	STATIC	LC		.	.		.	.	310.	250.000	390.000
17	STATIC	LC		.	.		.	.	120.	90.000	160.000
18	STATIC	LC		.	.		.	.	160.	127.000	189.000
19	STATIC	LC		.	.		.	.	280.	220.000	360.000
20	STATIC	LC	3300.	2340.000	4640.000		.	.	2200.	1590.000	3040.000
21	STATIC	LC	2200.	1660.000	2920.000		.	.	1900.	1430.000	2530.000
22	STATIC	LC	1700.	1180.000	2450.000		.	.	1300.	880.000	1920.000
23	STATIC	LC	2200.	1660.000	2920.000		.	.	1900.	1430.000	2530.000
24	STATIC	LC		.	.		.	.	29.	22.000	37.000

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                                                                                  BENOMYL
                                                                                          MEASURED IN UG /L

                     CHEMICAL                                                                                                                DEG.   HARDNESS
OBS                DESCRIPTION                      SPECIES               SIZE          WEIGHT                                               CENT.  PH   MG/L

 25  50.00% WETTABLE POWDER         CHANNEL CATFISH                        1.20                                               22.0   7.4      44
 26  99.00% TECHNICAL MATERIAL      CHANNEL CATFISH     FINGERLING         0.05                                               22.0   7.4      44
 27  99.00% TECHNICAL MATERIAL      CHANNEL CATFISH     FINGERLING         0.15                                               22.0   7.4      44
 28  99.00% TECHNICAL MATERIAL      CHANNEL CATFISH     SWIMUP FRY          .                                                 22.0   7.4      44
 29  99.00% TECHNICAL MATERIAL      CHANNEL CATFISH     YOLK-SAC FRY        .                                                 22.0   7.4      44
 30  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.90                                               22.0   7.4      44
 31  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.90                                               22.0   7.4      44
 32  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.90                                               12.0   7.4      44
 33  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.90                                               17.0   7.4      44
 34  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.90                                               22.0   7.4      44
 35  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.60                                               22.0   6.5      44
 36  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.60                                               22.0   7.5      44
 37  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.60                                               22.0   8.5      44
 38  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.60                                               22.0   7.4      44
 39  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.60                                               22.0   7.4     320
 40  50.00% WETTABLE POWDER         BLUEGILL                               0.60                                               22.0   7.4      44
 41  99.00% TECHNICAL MATERIAL      BLUEGILL                               0.80                                               22.0   7.4      40



       __ TEST TYPE __              ___ 24 HOUR ___                         ___ 48 HOUR ___                        ___ 96 HOUR ___
OBS                                          CONFIDENCE  INTERVAL                   CONFIDENCE  INTERVAL                    CONFIDENCE  INTERVAL

 25  STATIC          LC           34.        26.000       44.000                     .           .           27.5       21.000       34.000
 26  STATIC          LC                        .            .                        .           .            13.       11.000       15.000
 27  STATIC          LC                        .            .                        .           .            24.       19.000       29.000
 28  STATIC          LC           43.        37.000       50.000                     .           .            12.        8.800       16.400
 29  STATIC          LC           18.        14.000       22.000                     .           .            5.6        4.600        6.800
 30  STATIC          LC          1400      1160.000     1680.000                     .           .           850.      550.000     1300.000
 31  STATIC          LC          800.       517.000     1230.000                     .           .           560.      410.000      750.000
 32  STATIC          LC                        .            .                        .           .           750.      560.000     1010.000
 33  STATIC          LC         3000.      2100.000     4200.000                     .           .          1300.      960.000     1760.000
 34  STATIC          LC         1600.      1130.000     2260.000                     .           .          1300.      950.000     1780.000
 35  STATIC          LC         1300.      1000.000     1680.000                     .           .          1300.     1000.000     1680.000
 36  STATIC          LC         1300.       815.000     2070.000                     .           .          1200.      829.000     1736.000
 37  STATIC          LC        47000.     29000.000    74000.000                     .           .          6400.     4185.000     9787.000
 38  STATIC          LC         1400.      1030.000     1901.000                     .           .          1300.      964.000     1752.000
 39  STATIC          LC         2900.      2037.000     4128.000                     .           .          2300.     1702.000     3107.000
 40  STATIC          LC         1300.       910.000     1840.000                     .           .          1200.      900.000     1590.000
 41  STATIC          LC          520.       266.000     1010.000                     .           .           390.      207.000      732.000
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BENSULIDE

CAS # 741-58-2 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
2	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.60	13.0	7.4	44
3	95.00% TECHNICAL MATERIAL	BLUEGILL		1.00	24.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	7.60	3.900	15.000		.	.	1.40	0.390	5.100
2	STATIC	LC	0.96	.	.		.	.	0.72	.	.
3	STATIC	LC	0.97	.	.		.	.	0.81	.	.

CAS # 28249-77-6   PRINCIPAL USE: HERBICIDE

BENTHIOCARB
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	44
2	85.20% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.60	12.0	7.4	44
3	95.50% TECHNICAL MATERIAL	CHANNEL CATFISH		1.20	20.0	7.4	44
4	85.20% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		1.20	20.0	7.4	44
5	95.50% TECHNICAL MATERIAL	BLUEGILL		0.60	20.0	7.4	44
6	85.20% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.60	20.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	1960.	1720.000	2240.000		.	.	1150.	738.000	1780.000
2	STATIC	LC	1340.	1160.000	1700.000		.	.	1050.	698.000	1590.000
3	STATIC	LC	8190.	6700.000	10000.000		.	.	2280.	1190.000	4380.000
4	STATIC	LC	4250.	3170.000	5690.000		.	.	2290.	1190.000	4380.000
5	STATIC	LC	5790.	3430.000	9770.000		.	.	2480.	1650.000	3710.000
6	STATIC	LC	2490.	1780.000	3470.000		.	.	1660.	1220.000	2260.000

BENZALKONIUM CHLORIDE
MEASURED IN UG /L

CAS # 8001-54-5 PRINCIPAL USE: DISINFECTANT

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	10.00% LIQUID	RAINBOW TROUT		1.80	12.0	7.4	44
2	10.00% LIQUID	BLUEGILL		0.30	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	1300.	990.000	1710.000		.	.	1150.	823.000	1610.000
2	STATIC	LC	580.	390.000	867.000		.	.	320.	223.000	460.000

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CAS # 71-43-2 PRINCIPAL USE: SOLVENT

BENZENE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	RAINBOW TROUT		2.40	12.0	7.4	44
2	100.0% LIQUID	CHANNEL CATFISH		0.10	22.0	7.4	44
3	100.0% LIQUID	BLUEGILL		0.20	17.0	7.4	44
4	100.0% LIQUID	BLUEGILL		0.20	22.0	7.4	44
5	100.0% LIQUID	BLUEGILL		0.20	19.0	6.5	44
6	100.0% LIQUID	BLUEGILL		0.20	19.0	7.4	44
7	100.0% LIQUID	BLUEGILL		0.20	19.0	8.5	44
8	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	12
9	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	44
10	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	162
11	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	300

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	9.2	7.200	11.700		.	.	9.2	7.200	11.700
2	STATIC	LC	425.	357.000	505.000		.	.	425.	357.000	505.000
3	STATIC	LC	400.	285.000	570.000		.	.	230.	181.000	291.000
4	STATIC	LC	140.	107.000	183.000		.	.	100.	70.000	142.000
5	STATIC	LC	910.	654.000	1267.000		.	.	600.	481.000	748.000
6	STATIC	LC	740.	584.000	937.000		.	.	450.	349.000	580.000
7	STATIC	LC	580.	343.000	981.000		.	.	290.	178.000	473.000
8	STATIC	LC	370.	285.000	481.000		.	.	370.	285.000	481.000
9	STATIC	LC	260.	213.000	311.000		.	.	260.	213.000	311.000
10	STATIC	LC	102.	86.000	120.000		.	.	102.	86.000	120.000
11	STATIC	LC	165.	116.000	234.000		.	.	165.	116.000	234.000

BENZENE HEXACHLORIDE

CAS # 608-73-1 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	41.50% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	16.0	7.1	44
2	41.50% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
3	41.50% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
4	41.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.1	44
5	41.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.4	272
6	41.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.4	272
7	41.50% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44
8	41.50% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	18.0	7.1	44
9	41.50% TECHNICAL MATERIAL	CHANNEL CATFISH		1.10	18.0	7.1	44
10	41.50% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.1	44
11	41.50% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.1	44
12	41.50% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	680.	.	.		.	.
2	STATIC	LC	450.	330.000	600.000		.	.	78.	54.000	113.000
3	STATIC	LC	<18.	.	.		.	.	<18.	.	.
4	STATIC	LC	9.6	8.400	11.000		.	.	9.0	8.000	10.000
5	STATIC	LC	43.	41.000	45.000		.	.	35.	33.000	37.000
6	STATIC	LC	20.	17.000	23.000		.	.	18.	15.000	20.000
7	STATIC	LC	664.	531.000	832.000		.	.	348.	261.000	466.000
8	STATIC	LC	1000.	.	.		.	.	125.	96.000	164.000
9	STATIC	LC	150.	124.000	181.000		.	.	105.	85.000	129.000
10	STATIC	LC	148.	120.000	182.000		.	.	67.	51.000	96.000
11	STATIC	LC	44.	41.000	48.000		.	.	41.	36.000	47.000
12	STATIC	LC	13200.	4320.000	40300.000		.	.	4350	2990.000	6310.000

CAS # 149-30-4 PRINCIPAL USE: INDUSTRIAL

BENZOTHIAZOLE 2-MERCAPTO
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.5	41
2	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.00	22.0	7.3	42
3	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.5	41
4	100.0% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	6.5	40
5	100.0% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.5	40
6	100.0% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	8.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	0.76	0.600	0.960		.	.	0.76	0.600	0.960
2	STATIC	LC	2.35	1.800	3.060		.	.	1.65	1.160	2.350
3	STATIC	LC	2.25	29.600	1.710		.	.	2.25	2.960	1.710
4	STATIC	LC	2.35	1.830	3.020		.	.	1.90	1.320	2.730
5	STATIC	LC	4.70	3.540	6.240		.	.	4.20	3.310	5.320
6	STATIC	LC	>10.	.	.		.	.	7.6	5.940	9.720

CAS # 64036-43-7 PRINCIPAL USE: INDUSTRIAL

BENZOTHIAZOLE 2-METHYL MERCAPTO
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	16.0	7.5	44
2	100.0% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.5	44
3	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	44
4	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.5	41
5	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.00	22.0	7.3	42
6	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.5	41
7	100.0% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	6.5	44
8	100.0% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.5	44
9	100.0% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	8.5	44

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OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	>10.	.	.		.	.
2	STATIC	LC		.	.		.	.	4.2	3.500	5.000
3	STATIC	EC		.	.	1.3	0.900	1.900		.	.
4	STATIC	LC	7.60	5.940	9.720		.	.	3.70	2.850	4.810
5	STATIC	LC	13.0	10.200	16.600		.	.	7.60	5.940	9.720
6	STATIC	LC	13.5	10.600	17.300		.	.	5.70	4.050	8.030
7	STATIC	LC	13.5	10.600	17.200		.	.	4.2	3.300	5.300
8	STATIC	LC	10.5	7.300	15.100		.	.	4.3	3.400	5.400
9	STATIC	LC	10.5	7.300	15.100		.	.	6.3	4.700	8.400

BENZOYLPROP ETHYL
MEASURED IN UG /L

CAS # 33878-50-1   PRINCIPAL USE: HERBICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	19.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		1.10	12.0	7.4	44
2	19.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		1.10	12.0	7.4	44
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.4	44
4	19.00% EMULSIFIABLE CONCENTRATE	FATHEAD MINNOW		0.50	17.0	7.4	44
5	25.00% EMULSIFIABLE CONCENTRATE	FATHEAD MINNOW		0.50	17.0	7.4	44
6	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50	17.0	7.4	44
7	19.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.80	17.0	7.4	44
8	25.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.80	17.0	7.4	44
9	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	560.	341.000	920.000		.	.	<32.	.	.
2	STATIC	LC	1300.	1100.000	1540.000		.	.	<32.	.	.
3	STATIC	LC	1100.	841.000	1439.000		.	.		.	.
4	STATIC	LC	3000.	2187.000	4114.000		.	.	460.	330.000	640.000
5	STATIC	LC	3500.	.	.		.	.	760.	525.000	1100.000
6	STATIC	LC	4000.	2901.000	5514.000		.	.	860.	660.000	1120.000
7	STATIC	LC	1080.	923.000	1262.000		.	.	1000.	808.000	1238.000
8	STATIC	LC	1100.	941.000	1286.000		.	.	720.	554.000	919.000
9	STATIC	LC	1750.	1570.000	1950.000		.	.	1200.	1073.000	1341.000

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                                                                        BENZYL BENZOATE
      CAS # 120-51-4      PRINCIPAL USE:  ACARICIDE                            MEASURED IN MG /L

                    CHEMICAL                                                                                  DEG.  HARDNESS
 OBS               DESCRIPTION                   SPECIES          SIZE        WEIGHT                           CENT.  PH  MG/L

   1  99.00% TECHNICAL MATERIAL        GAMMARUS FASCIATUS      MATURE          .                              16.0  7.4   272




 OBS   _ TEST TYPE _          __ 24 HOUR __                        __ 48 HOUR __                        __ 96 HOUR __
                                          CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL

   1  STATIC        LC          9.8        .           .                        .           .           4.8        .           .
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                                                                                 BINAPACRYL
       CAS # 485-31-4      PRINCIPAL USE:  ACARICIDE                                      MEASURED IN UG /L

                        CHEMICAL                                                                                      DEG.  HARDNESS
  OBS                 DESCRIPTION                        SPECIES            SIZE        WEIGHT                        CENT.  PH   MG/L

    1   99.90% TECHNICAL MATERIAL          ASELLUS BREVICAUDUS      MATURE           .                            16.0  7.4   272
    2   99.90% TECHNICAL MATERIAL          RAINBOW TROUT                           1.10                           13.0  7.1    44
    3   99.90% TECHNICAL MATERIAL          CHANNEL CATFISH                         1.40                           18.0  7.1    44
    4   99.90% TECHNICAL MATERIAL          GREEN SUNFISH                           0.80                           18.0  7.1    44
    5   99.90% TECHNICAL MATERIAL          BLUEGILL                                1.30                           18.0  7.1    44



  OBS   __ TEST TYPE __            ___ 24 HOUR ___                   ___ 48 HOUR ___                    ___ 96 HOUR ___
                                          CONFIDENCE  INTERVAL              CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL

    1   STATIC          LC         130.          .           .                     .          .          29.          .           .
    2   STATIC          LC          50.     46.000      55.000                     .          .          50.     46.000      55.000
    3   STATIC          LC          62.     39.000      99.000                     .          .          15.          .           .
    4   STATIC          LC          53.     44.000      63.000                     .          .          43.     37.000      50.000
    5   STATIC          LC          42.     34.000      51.000                     .          .          40.     34.000      47.000
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BLACK CRUDE OIL
MEASURED IN MG /L

CAS # 8002-05-9 PRINCIPAL USE: PETROLEUM

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% WHOLE MATERIAL	CUTTHROAT TROUT		0.70	12.0	7.4	162
2	100.0% WATER SOLUBLE	CUTTHROAT TROUT		0.70	12.0	7.4	162
3	100.0% WHOLE MATERIAL	CUTTHROAT TROUT	EYED EGG	.	10.0	7.2	170
4	100.0% WHOLE MATERIAL	CUTTHROAT TROUT	SWIMUP FRY	.	10.0	7.2	170
5	100.0% WHOLE MATERIAL	CUTTHROAT TROUT	YOLK-SAC FRY	.	10.0	7.2	170

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	>100.	.	.
2	STATIC	LC		.	.		.	.	>11.3	.	.
3	STATIC	LC		.	.		.	.	>100.	.	.
4	STATIC	LC		.	.		.	.	>100.	.	.
5	STATIC	LC		.	.		.	.	>100.	.	.

BOMYL

CAS # 122-10-1 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	50.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.60	18.0	7.1	44
2	25.00% WETTABLE POWDER	RAINBOW TROUT		0.60	18.0	7.1	44
3	94.00% TECHNICAL MATERIAL	BLUEGILL		0.40	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	0.17	.	.		.	.		.	.
2	STATIC	LC	0.10	.	.		.	.		.	.
3	STATIC	LC	0.60	.	.		.	.	0.51	.	.

BUFENCARB
MEASURED IN UG /L

CAS # 2282-34-0   PRINCIPAL USE: INSECTICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	72.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	44
2	72.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
3	72.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
4	72.00% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	5.3	3.700	7.400	.		.	1.0	0.600	1.600
2	STATIC	LC	3.2	.	.	.		.	1.0	.	.
3	STATIC	LC	40.	16.000	100.000	.		.	0.96	0.590	1.600
4	STATIC	LC	322.	239.000	434.000	.		.	294.	222.000	389.000

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CAS # 9003-13-8 PRINCIPAL USE: FLY REPELLENT

BUTOXY POLYPROPYLENE GLYCOL
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	44

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OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	17.000	7.060	40.900

BUTYLATE

CAS # 2008-41-5 PRINCIPAL USE: HERBICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.70% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	262
2	98.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	44
3	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	12.0	7.4	44
4	98.00% TECHNICAL MATERIAL	BLUEGILL		1.20	24.0	7.4	44
5	98.00% TECHNICAL MATERIAL	BLUEGILL		1.10	24.0	7.4	44
6	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	24.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	26000.	20000.000	34000.000		.	.	11000.	7600.000	16000.000
2	STATIC	LC	17000.	10500.000	27500.000		.	.	12000.	8320.000	17300.000
3	STATIC	LC	4000.	3050.000	5250.000		.	.	2100.	1180.000	3740.000
4	STATIC	LC	5000.	2340.000	9850.000		.	.		300.000	700.000
5	STATIC	LC	4000.	2180.000	7340.000		.	.	210.	88.000	500.000
6	STATIC	LC	900.	700.000	1160.000		.	.	470.	.	.

CACODYLIC ACID
MEASURED IN MG /L

CAS # 124-65-2 PRINCIPAL USE: HERBICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
2	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	44
3	100.0% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
4	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	135.	80.000	227.000
2	STATIC	LC		.	.		.	.	140.	40.000	486.000
3	STATIC	LC		.	.		.	.	28.	14.000	58.000
4	STATIC	LC	21.	19.000	23.000		.	.	17.	15.000	19.000

CAS # 7778-54-3 PRINCIPAL USE: DISINFECTANT

CALCIUM HYPOCHLORITE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% WETTABLE POWDER	FATHEAD MINNOW		0.90	18.0	7.1	44
2	100.0% WETTABLE POWDER	FATHEAD MINNOW		0.90	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	1120.	817.000	1536.000		.	.	840.	641.000	1101.000
2	STATIC	LC	1170.	376.000	3660.000		.	.	889.	561.000	1410.000

CAPTAFOL

CAS # 2425-06-1 PRINCIPAL USE: FUNGICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	80.00% WETTABLE POWDER	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
2	80.00% WETTABLE POWDER	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
3	80.00% WETTABLE POWDER	RAINBOW TROUT		1.00	13.0	7.1	44
4	80.00% WETTABLE POWDER	RAINBOW TROUT		1.00	13.0	7.4	272
5	80.00% WETTABLE POWDER	GOLDFISH		0.90	18.0	7.1	44
6	80.00% WETTABLE POWDER	GOLDFISH		0.90	18.0	7.4	272
7	80.00% WETTABLE POWDER	CHANNEL CATFISH		1.00	18.0	7.1	44
8	80.00% WETTABLE POWDER	BLUEGILL		1.10	18.0	7.1	44
9	80.00% WETTABLE POWDER	BLUEGILL		1.10	18.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	2000.	1700.000	2800.000		.	.	800.	500.000	1300.000
2	STATIC	LC	480.	370.000	660.000		.	.	40.0	20.000	60.000
3	STATIC	LC	30.2	19.500	46.500		.	.	20.6	13.300	31.700
4	STATIC	LC	49.4	32.000	76.400		.	.	41.2	30.600	55.100
5	STATIC	LC	189.	156.000	229.000		.	.	178.	146.000	217.000
6	STATIC	LC	350.	258.000	474.000		.	.	350.	258.000	474.000
7	STATIC	LC	36.	.	.		.	.	28.	.	.
8	STATIC	LC	34.0	21.000	54.000		.	.	34.	21.000	54.000
9	STATIC	LC	59.0	49.000	70.000		.	.	59.0	49.000	70.000

CAPTAN

CAS # 133-06-2 PRINCIPAL USE: FUNGICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	COHO SALMON		0.80	12.0	7.5	44
2	90.00% TECHNICAL MATERIAL	COHO SALMON		0.80	12.0	7.5	314
3	90.00% TECHNICAL MATERIAL	CHINOOK SALMON	FINGERLING	.	12.0	7.5	44
4	90.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	12.0	7.4	44
5	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
6	90.00% TECHNICAL MATERIAL	BROWN TROUT		0.70	12.0	7.5	44
7	90.00% TECHNICAL MATERIAL	BROWN TROUT		0.60	12.0	7.5	314
8	90.00% TECHNICAL MATERIAL	LAKE TROUT		0.42	12.0	7.5	44
9	90.00% TECHNICAL MATERIAL	LAKE TROUT		2.30	12.0	7.4	162
10	90.00% TECHNICAL MATERIAL	LAKE TROUT	FINGERLING	.	12.0	7.5	314
11	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.30	12.0	7.5	44
12	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.40	12.0	7.5	314
13	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.20	20.0	7.4	44
14	90.00% TECHNICAL MATERIAL	BLUEGILL		1.10	17.0	7.1	44
15	90.00% TECHNICAL MATERIAL	YELLOW PERCH		1.00	17.0	7.5	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	137.	117.000	160.000		.	.	137.	117.000	160.000
2	FLOW THROUGH	LC	75.0	64.900	85.500		.	.	56.5	52.300	61.000
3	STATIC	LC	139.	115.000	168.000		.	.	120.	103.000	140.000
4	STATIC	LC	74.1	55.400	99.100		.	.	56.4	42.200	75.400
5	STATIC	LC	76.4	69.500	83.900		.	.	73.2	66.600	80.400
6	STATIC	LC	81.0	69.800	94.000		.	.	80.0	63.800	100.000
7	FLOW THROUGH	LC	26.2	21.800	31.300		.	.	26.2	21.800	31.300
8	STATIC	LC	53.0	44.500	63.100		.	.	49.0	40.100	59.900
9	STATIC	LC	63.2	49.600	80.500		.	.	63.2	49.600	80.500
10	FLOW THROUGH	LC	75.0	51.700	109.000		.	.	51.0	39.200	66.200
11	STATIC	LC	290.	211.000	398.000		.	.	200.	168.000	238.000
12	FLOW THROUGH	LC	152.	123.000	186.000		.	.	134.	100.000	178.000
13	STATIC	LC	79.8	72.600	87.800		.	.	77.5	70.500	85.200
14	STATIC	LC	145.	122.000	172.000		.	.	141.	119.000	167.000
15	FLOW THROUGH	LC	>154.	.	.		.	.	120.	97.300	147.000

CARBARYL

CAS # 63-25-2 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.50% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	16.0	7.4	42
2	99.50% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	16.0	7.1	44
3	99.50% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	10.0	7.1	44
4	99.50% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	16.0	7.1	44
5	99.50% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
6	99.50% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.4	272
7	99.50% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	18.0	7.1	44
8	99.50% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
9	99.50% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
10	99.50% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	6.5	40
11	99.50% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	6.5	40
12	99.50% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.5	40
13	99.50% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	8.5	40
14	99.50% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	12.0	7.5	42
15	99.50% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
16	99.50% TECHNICAL MATERIAL	CLAASSENIA SABULOSA	2ND YEAR CLASS	.	16.0	7.1	44
17	99.50% TECHNICAL MATERIAL	ISOGENUS SP.	1ST YEAR CLASS	.	7.0	7.0	35
18	99.50% TECHNICAL MATERIAL	ISOGENUS SP.	1ST YEAR CLASS	.	12.0	7.5	42
19	99.50% TECHNICAL MATERIAL	ISOGENUS SP.	1ST YEAR CLASS	.	12.0	7.5	42
20	99.50% TECHNICAL MATERIAL	ISOGENUS SP.	1ST YEAR CLASS	.	12.0	7.5	42
21	99.50% TECHNICAL MATERIAL	ISOGENUS SP.	1ST YEAR CLASS	.	12.0	7.5	42
22	49.00% OIL DISPERSION	ISOGENUS SP.	1ST YEAR CLASS	.	7.0	7.5	42
23	99.50% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	16.0	7.1	44
24	99.50% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	6.5	38

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	5.6	2.700	12.000		.	.
2	STATIC	LC		.	.	6.4	4.500	8.900		.	.
3	STATIC	EC		.	.	11.	7.800	16.000		.	.
4	STATIC	EC		.	.	7.6	6.200	9.300		.	.
5	STATIC	EC		.	.	8.1	6.700	9.800		.	.
6	STATIC	EC	1920.	994.000	3709.000	115.0	74.000	179.000		.	.
7	STATIC	LC	340.	216.000	534.000		.	.	280.	214.000	367.000
8	STATIC	LC	30.	32.000	70.000		.	.	26.	16.000	39.000
9	STATIC	LC	40.	32.000	49.000		.	.	22.	16.000	30.000
10	STATIC	LC	19.0	14.400	25.000	13.0	8.890	19.010		.	.
11	STATIC	LC	12.6	8.510	18.600	8.0	4.930	13.000		.	.
12	STATIC	LC	22.0	14.300	33.800	11.5	7.510	17.600	7.0	4.120	11.900
13	STATIC	LC	10.5	6.640	16.600	7.8	5.950	10.200	7.2	5.600	9.260
14	STATIC	LC	>4000.	.	.		.	.	1900.	1161.000	3108.000
15	STATIC	LC	120.	100.000	140.000		.	.	5.6	3.600	8.300
16	STATIC	LC	12.	9.100	16.000		.	.	5.6	3.900	8.100
17	STATIC	LC	8.0	5.300	12.000		.	.	2.8	2.000	4.000
18	0 DAY DEGRA	LC	8.7	4.900	9.200		.	.	3.6	2.400	5.500
19	7 DAY DEGRA	LC	8.0	6.300	10.000		.	.	6.6	5.000	8.900
20	14 DAY DEGRA	LC	9.	6.900	12.000		.	.	6.6	5.300	8.300
21	21 DAY DEGRA	LC	15.	11.000	21.000		.	.	12.	9.700	15.000
22	STATIC	LC	15.	8.900	24.000		.	.	9.2	7.400	12.000
23	STATIC	LC	5.0	3.600	7.000		.	.	1.7	1.400	2.400
24	STATIC	LC	19.	16.000	22.000		.	.	11.	9.700	13.000

BEST COPY AVAILABLE

CARBARYL

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT		DEG. CENT.	PH	HARDNESS MG/L
25	99.50% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.		12.0	7.5	38
26	99.50% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.		12.0	8.5	38
27	99.50% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.		16.0	7.1	44
28	99.50% TECHNICAL MATERIAL	COHO SALMON		1.00		13.0	7.1	44
29	99.50% TECHNICAL MATERIAL	COHO SALMON		4.60		13.0	7.1	42
30	99.50% TECHNICAL MATERIAL	COHO SALMON		5.10		13.0	7.1	42
31	99.50% TECHNICAL MATERIAL	COHO SALMON		10.10		13.0	7.1	42
32	99.50% TECHNICAL MATERIAL	COHO SALMON		19.10		13.0	7.1	42
33	99.00% TECHNICAL MATERIAL	CHINOOK SALMON	FINGERLING	.		12.0	7.5	314
34	99.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.5	40
35	99.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60		7.0	7.5	42
36	99.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70		12.0	6.5	40
37	99.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60		12.0	8.5	40
38	99.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.8	330
39	99.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.3	40
40	99.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.3	40
41	99.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.2	42
42	99.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.2	42
43	99.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90		12.0	7.5	42
44	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.50		12.0	7.1	42
45	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.50		12.0	7.4	272
46	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	FISH PROTEIN CONCENTRATE DIET	10.0	7.4	40
47	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	EWOS DIET	10.0	7.4	40
48	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	GLENCO DIET	10.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	18.	14.000	24.000		.	.	13.	12.000	16.000
26	STATIC	LC	32.	26.000	36.000		.	.	29.	21.000	41.000
27	STATIC	LC	30.	22.000	40.000		.	.	4.8	3.000	7.700
28	STATIC	LC	6520.	5040.000	8260.000		.	.	4340.	3310.000	5690.000
29	STATIC	LC	4300.	2766.000	6685.000		.	.	2400.	1865.000	3088.000
30	STATIC	LC	2400.	1865.000	3088.000		.	.	1750.	1258.000	2434.000
31	STATIC	LC	3100.	2311.000	4158.000		.	.	2700.	1570.000	4643.000
32	STATIC	LC	1350.	949.000	1920.000		.	.	1150.	845.000	1564.000
33	FLOW THROUGH	LC		.	.		.	.	2400.	1623.000	3549.000
34	STATIC	LC	7400.	5700.000	9600.000		.	.	7100.	5240.000	9620.000
35	STATIC	LC	7300.	5750.000	9270.000		.	.	6000.	4630.000	7770.000
36	STATIC	LC	5700.	4870.000	6670.000		.	.	5000.	4100.000	6100.000
37	STATIC	LC	2750.	2340.000	3230.000		.	.	970.	770.000	1220.000
38	STATIC	LC	7300.	5190.000	10300.000		.	.	3950.	3370.000	4630.000
39	0 DAY DEGRA	LC	6800.	5230.000	8840.000		.	.	6800.	5230.000	8840.000
40	7 DAY DEGRA	LC	>6000.	.	.		.	.	4000.	3130.000	5110.000
41	14 DAY DEGRA	LC	>3600.	.	.		.	.	3380.	2300.000	4960.000
42	21 DAY DEGRA	LC	>3600.	.	.		.	.	2300.	1830.000	2890.000
43	STATIC	LC	6700.	5460.000	8220.000		.	.	6700.	5230.000	8580.000
44	STATIC	LC	1990.	1480.000	2660.000		.	.	1950.	1450.000	2630.000
45	STATIC	LC	2100.	1240.000	3520.000		.	.	1200.	800.000	1800.000
46	STATIC	LC		.	.		.	.	1360.	992.000	1860.000
47	STATIC	LC		.	.		.	.	2080.	1580.000	2730.000
48	STATIC	LC		.	.		.	.	1900.	1590.000	2263.000

BEST COPY AVAILABLE

CARBARYL
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT		DEG. CENT.	PH	HARDNESS MG/L
49	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	FPRL 50 PERCENT PROTEIN DIET	10.0	7.4	40
50	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.50		12.0	7.5	314
51	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	DONALDSON STRAIN	12.0	7.1	40
52	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	IOWA STRAIN	12.0	7.1	40
53	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	MISSOURI STRAIN	12.0	7.1	40
54	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.80	NEW HAMPSHIRE STRAIN	12.0	7.1	40
55	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	SOAP LAKE STRAIN	12.0	7.1	40
56	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		2.20	WYTHEVILLE STRAIN	12.0	7.1	40
57	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.20		12.0	7.4	40
58	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.20		12.0	7.4	320
59	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.00		12.0	7.4	40
60	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.00		17.0	7.4	40
61	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.00		12.0	6.5	40
62	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.00		12.0	7.5	40
63	99.50% TECHNICAL MATERIAL	RAINBOW TROUT		1.00		12.0	8.5	40
64	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.40		12.0	7.5	42
65	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.80		7.0	7.5	42
66	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.80		17.0	7.5	42
67	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.40		12.0	6.5	42
68	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.40		12.0	8.5	42
69	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.80		12.0	8.0	12
70	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.80		12.0	8.0	42
71	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20		12.0	6.5	42
72	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20		12.0	7.5	42

	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
OBS				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
49	STATIC	LC		.	.		.	.	2300.	1500.000	3500.000
50	FLOW THROUGH	LC	1340.	1039.000	1729.000		.	.	1330.	1030.000	1716.000
51	STATIC	LC	6220.	2460.000	17700.000		.	.	<750.	.	.
52	STATIC	LC	2760.	1890.000	4040.000		.	.	<320.	.	.
53	STATIC	LC	3940.	3090.000	5020.000		.	.	1090.	.	.
54	STATIC	LC	4620.	2470.000	8640.000		.	.		.	.
55	STATIC	LC	4600.	3020.000	6990.000		.	.	1460.	1010.000	2110.000
56	STATIC	LC	6090.	2480.000	15000.000		.	.		.	.
57	STATIC	LC	4700.	3320.000	6660.000		.	.	3500.	2450.000	4990.000
58	STATIC	LC	8200.	6660.000	10100.000		.	.	3000.	2080.000	4320.000
59	STATIC	LC	7500.	5500.000	10200.000		.	.	1600.	1070.000	2370.000
60	STATIC	LC	1500.	1000.000	2230.000		.	.	1100.	760.000	1500.000
61	STATIC	LC	1650.	1110.000	2450.000		.	.	1200.	806.000	1790.000
62	STATIC	LC	3000.	2320.000	3878.000		.	.	780.	649.000	937.000
63	STATIC	LC	2400.	2115.000	2722.000		.	.	1450.	1169.000	1797.000
64	STATIC	LC	4900.	4110.000	5840.000		.	.	4500.	3820.000	5310.000
65	STATIC	LC	2600.	2240.000	3010.000		.	.	2070.	1850.000	2310.000
66	STATIC	LC	1900.	1640.000	2200.000		.	.	1180.	988.000	1410.000
67	STATIC	LC	1400.	.	.		.	.	1270.	902.000	1790.000
68	STATIC	LC	905.	569.000	1440.000		.	.	905.	569.000	1440.000
69	STATIC	LC	2100.	1620.000	2720.000		.	.	2010.	1540.000	2630.000
70	STATIC	LC	2050.	1680.000	2510.000		.	.	1430.	1060.000	1930.000
71	STATIC	LC	700.	474.000	1033.000		.	.	500.	352.000	710.000
72	STATIC	LC	1300.	997.000	1690.000		.	.	1000.	704.000	1420.000

CARBARYL
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
73	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	8.5	42
74	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	8.0	12
75	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	8.0	42
76	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	7.0	7.5	42
77	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	7.5	42
78	99.50% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	17.0	7.5	42
79	99.50% TECHNICAL MATERIAL	BROWN TROUT		0.60	12.0	7.5	42
80	99.50% TECHNICAL MATERIAL	BROWN TROUT	FINGERLING	.	12.0	7.5	314
81	99.50% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	7.5	42
82	99.50% TECHNICAL MATERIAL	BROOK TROUT		0.80	7.0	7.5	42
83	99.50% TECHNICAL MATERIAL	BROOK TROUT		1.00	17.0	7.5	42
84	99.50% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	6.5	42
85	99.50% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	8.5	42
86	99.50% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	9.0	42
87	99.50% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	7.5	42
88	99.50% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	7.5	300
89	49.00% OIL DISPERSION	BROOK TROUT		1.30	12.0	7.5	42
90	99.50% TECHNICAL MATERIAL	LAKE TROUT		1.70	12.0	7.5	40
91	99.50% TECHNICAL MATERIAL	LAKE TROUT		1.70	12.0	6.0	40
92	99.50% TECHNICAL MATERIAL	LAKE TROUT		1.70	12.0	9.0	40
93	99.50% TECHNICAL MATERIAL	LAKE TROUT		0.50	12.0	7.4	162
94	99.50% TECHNICAL MATERIAL	LAKE TROUT		2.60	12.0	7.4	162
95	99.50% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.1	40
96	99.50% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
73	STATIC	LC	2300.	1630.000	3240.000		.	.	1150.	910.000	1450.000
74	STATIC	LC	2000.	1410.000	2840.000		.	.	1100.	884.000	1370.000
75	STATIC	LC	2200.	1760.000	2750.000		.	.	1350.	996.000	1830.000
76	STATIC	LC	500.	318.000	787.000		.	.	250.	118.000	787.000
77	STATIC	LC	1300.	899.000	1880.000		.	.	900.	721.000	1120.000
78	STATIC	LC	1150.	769.000	1720.000		.	.	1000.	822.000	1220.000
79	STATIC	LC	6840.	5010.000	9350.000		.	.	6300.	5520.000	7190.000
80	FLOW THROUGH	LC	2140.	1769.000	2588.000		.	.	2000.	1656.000	2414.000
81	STATIC	LC	5000.	3538.000	7066.000		.	.	2100.	1684.000	2618.000
82	STATIC	LC	10000.	.	.		.	.	3000.	2009.000	4480.000
83	STATIC	LC	770.	648.000	915.000		.	.	680.	585.000	790.000
84	STATIC	LC	4600.	3542.000	5974.000		.	.	4560.	3497.000	5947.000
85	STATIC	LC	3900.	.	.		.	.	2130.	1719.000	2640.000
86	STATIC	LC	2600.	.	.		.	.	1130.	792.000	1612.000
87	STATIC	LC	2200.	1548.000	3127.000		.	.	1200.	868.000	1658.000
88	STATIC	LC	3000.	2087.000	4312.000		.	.	1290.	887.000	1878.000
89	STATIC	LC	4500.	3948.000	5066.000		.	.	4500.	3948.000	5066.000
90	STATIC	LC	1300.	970.000	1830.000		.	.	690.	520.000	910.000
91	STATIC	LC	760.	630.000	920.000		.	.	740.	600.000	910.000
92	STATIC	LC	2000.	1600.000	2510.000		.	.	920.	700.000	1200.000
93	STATIC	LC	1420.	994.000	2040.000		.	.	872.	466.000	1630.000
94	FLOW THROUGH	LC	3000.	2434.000	3698.000		.	.	2300.	1950.000	2710.000
95	STATIC	LC	15600.	11700.000	20700.000		.	.	13200.	8310.000	20800.000
96	STATIC	LC	15700.	11700.000	21000.000		.	.	12800.	8100.000	20300.000

BEST COPY AVAILABLE

CARBARYL
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
97	99.50% TECHNICAL MATERIAL	CARP		0.60	18.0	7.1	40
98	99.50% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50	12.0	7.5	42
99	99.50% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	18.0	7.1	40
100	99.50% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	18.0	7.4	272
101	99.50% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	18.0	7.1	40
102	99.50% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.1	40
103	99.50% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.4	272
104	99.50% TECHNICAL MATERIAL	CHANNEL CATFISH	FINGERLING	.	12.0	7.5	314
105	99.50% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.1	40
106	99.50% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.4	272
107	99.50% TECHNICAL MATERIAL	BLUEGILL		1.20	18.0	7.1	40
108	99.50% TECHNICAL MATERIAL	BLUEGILL		1.20	18.0	7.4	272
109	99.50% TECHNICAL MATERIAL	BLUEGILL		0.60	12.0	7.5	314
110	49.00% OIL DISPERSION	BLUEGILL		0.70	17.0	7.4	40
111	99.50% TECHNICAL MATERIAL	BLUEGILL		0.40	12.0	7.4	44
112	99.50% TECHNICAL MATERIAL	BLUEGILL		0.40	22.0	7.4	44
113	99.50% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	7.4	40
114	99.50% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	7.4	40
115	99.50% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.4	40
116	99.50% TECHNICAL MATERIAL	BLUEGILL		0.40	17.0	7.4	320
117	99.50% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	6.5	40
118	99.50% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	7.5	40
119	99.50% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	8.5	40
120	99.50% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	9.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
97	STATIC	LC	6140.	5370.000	7150.000		.	.	5280.	4620.000	6050.000
98	STATIC	LC	33200.	26800.000	41200.000		.	.	14000.	11400.000	17200.000
99	STATIC	LC	18000.	11700.000	30400.000		.	.	14600.	11700.000	19800.000
100	STATIC	LC	17300.	14500.000	20700.000		.	.	7700.	4800.000	12200.000
101	STATIC	LC	20000.	18000.000	24000.000		.	.	20000.	18000.000	24000.000
102	STATIC	LC	21300.	18300.000	24700.000		.	.	15800.	13900.000	18000.000
103	STATIC	LC	15400.	11400.000	20900.000		.	.	7790.	4750.000	12800.000
104	FLOW THROUGH	LC	>20000	.	.		.	.	17300.	16360.000	18290.000
105	STATIC	LC	11200.	8140.000	15500.000		.	.	11200.	8140.000	15500.000
106	STATIC	LC	11000.	7990.000	15200.000		.	.	9460.	7000.000	12800.000
107	STATIC	LC	10000.	8330.000	12500.000		.	.	6760.	5220.000	8760.000
108	STATIC	LC	9880.	8050.000	12100.000		.	.	5230.	4010.000	6820.000
109	FLOW THROUGH	LC	5340.	4447.000	6412.000		.	.	5047.	4357.000	5847.000
110	STATIC	LC	42000.	34971.000	50442.000		.	.	39000.	29732.000	51157.000
111	STATIC	LC	23000.	14940.000	35410.000		.	.	7400.	5420.000	10100.000
112	STATIC	LC	7400.	5500.000	10000.000		.	.	5200.	3660.000	7390.000
113	STATIC	LC		.	.		.	.	16000.	11410.000	22430.000
114	STATIC	LC		.	.		.	.	7000.	5020.000	9760.000
115	STATIC	LC		.	.		.	.	8200.	6170.000	10890.000
116	STATIC	LC	14500.	11100.000	19010.000		.	.	6200.	4310.000	8920.000
117	STATIC	LC		.	.		.	.	5400.	4260.000	6830.000
118	STATIC	LC		.	.		.	.	5200.	4060.000	6640.000
119	STATIC	LC		.	.		.	.	1800.	1390.000	2320.000
120	STATIC	LC		.	.		.	.	2600.	2070.000	3250.000

CARBARYL
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
121	99.50% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	18.0	7.1	40
122	99.50% TECHNICAL MATERIAL	BLACK CRAPPIE		1.00	18.0	7.1	40
123	99.50% TECHNICAL MATERIAL	YELLOW PERCH		1.40	18.0	7.1	40
124	99.50% TECHNICAL MATERIAL	YELLOW PERCH		0.60	12.0	7.5	42
125	99.50% TECHNICAL MATERIAL	YELLOW PERCH		1.00	7.0	7.5	42
126	99.50% TECHNICAL MATERIAL	YELLOW PERCH		1.00	12.0	7.5	42
127	99.50% TECHNICAL MATERIAL	YELLOW PERCH		1.00	17.0	7.5	42
128	99.50% TECHNICAL MATERIAL	YELLOW PERCH		1.00	22.0	7.5	42
129	99.50% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	6.5	42
130	99.50% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	7.5	42
131	99.50% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.5	42
132	99.50% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	9.0	42
133	99.50% TECHNICAL MATERIAL	YELLOW PERCH		1.00	12.0	8.0	42
134	99.50% TECHNICAL MATERIAL	YELLOW PERCH		1.00	12.0	8.0	170
135	99.50% TECHNICAL MATERIAL	YELLOW PERCH		1.00	12.0	8.0	300
136	99.50% TECHNICAL MATERIAL	YELLOW PERCH	FINGERLING	.	12.0	7.5	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
121	STATIC	LC	16900.	15800.000	17300.000		.	.	6400.	4400.000	9200.000
122	STATIC	LC	3740.	2250.000	6190.000		.	.	2600.	1180.000	5700.000
123	STATIC	LC	1030.	826.000	1270.000		.	.	745.	611.000	904.000
124	STATIC	LC	8600.	7260.000	10190.000		.	.	5100.	4520.000	5760.000
125	STATIC	LC	14400.	12150.000	17070.000		.	.	13900.	11700.000	16510.000
126	STATIC	LC	6100.	4800.000	7740.000		.	.	5400.	4140.000	7050.000
127	STATIC	LC	3400.	2660.000	4350.000		.	.	3400.	2690.000	4290.000
128	STATIC	LC	2250.	1580.000	3210.000		.	.	1200.	1000.000	1440.000
129	STATIC	LC	5100.	4230.000	6150.000		.	.	4000.	3030.000	5290.000
130	STATIC	LC	4700.	3650.000	6060.000		.	.	4200.	3100.000	5690.000
131	STATIC	LC	>10000	.	.		.	.	480.	304.000	757.000
132	STATIC	LC	4950.	3850.000	6360.000		.	.	350.	280.000	430.000
133	STATIC	LC	5400.	4020.000	7250.000		.	.	3800.	2730.000	5500.000
134	STATIC	LC	7000.	5540.000	8840.000		.	.	5000.	4030.000	6200.000
135	STATIC	LC	7800.	6180.000	9850.000		.	.	3750.	2850.000	4930.000
136	FLOW THROUGH	LC	2320.	1839.000	2926.000		.	.	1420.	1040.000	1938.000

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CARBOFURAN

CAS # 1563-66-2 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION		SPECIES	SIZE	WEIGHT			DEG. CENT.	PH	HARDNESS MG/L
1	99.00%	TECHNICAL MATERIAL	COHO SALMON		0.60			12.0	7.5	44
2	99.00%	TECHNICAL MATERIAL	RAINBOW TROUT		1.50			12.0	7.4	44
3	99.00%	TECHNICAL MATERIAL	RAINBOW TROUT		0.30	STEELHEAD	STRAIN	12.0	7.5	44
4	99.00%	TECHNICAL MATERIAL	BROWN TROUT		0.50			12.0	7.5	44
5	99.00%	TECHNICAL MATERIAL	BROWN TROUT		0.60			12.0	7.5	314
6	99.00%	TECHNICAL MATERIAL	LAKE TROUT		0.50			12.0	7.5	314
7	99.00%	TECHNICAL MATERIAL	FATHEAD MINNOW		0.50			12.0	7.5	44
8	99.00%	TECHNICAL MATERIAL	FATHEAD MINNOW		1.30			17.0	7.1	44
9	99.00%	TECHNICAL MATERIAL	FATHEAD MINNOW		0.50			17.0	7.5	314
10	99.00%	TECHNICAL MATERIAL	CHANNEL CATFISH		1.00			20.0	7.4	44
11	50.00%	WETTABLE POWDER	BLUEGILL		0.80			18.0	7.1	44
12	100.0%	TECHNICAL MATERIAL	BLUEGILL		1.10			17.0	7.1	40
13	99.00%	TECHNICAL MATERIAL	YELLOW PERCH		0.60			12.0	7.5	44
14	99.00%	TECHNICAL MATERIAL	YELLOW PERCH		0.60			12.0	9.5	44
15	99.00%	TECHNICAL MATERIAL	YELLOW PERCH		1.30			12.0	7.5	42

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	530.	432.000	650.000		.	.	530.	432.000	650.000
2	STATIC	LC	680.	536.000	863.000		.	.	380.	272.000	531.000
3	STATIC	LC	1020.	635.000	1640.000		.	.	600.	436.000	826.000
4	STATIC	LC	842.	705.000	1010.000		.	.	560.	475.000	660.000
5	FLOW THROUGH	LC	355.	241.000	521.000		.	.	280.	204.000	382.000
6	FLOW THROUGH	LC	164.	119.000	226.000		.	.	164.	119.000	226.000
7	STATIC	LC	2240.	1590.000	3150.000		.	.	1990.	1385.000	2859.000
8	STATIC	LC	883.	494.000	1580.000		.	.	872.	479.000	1590.000
9	FLOW THROUGH	LC	1320.	990.000	1758.000		.	.	1180.	813.000	1711.000
10	STATIC	LC	372.	215.000	642.000		.	.	248.	94.000	649.000
11	STATIC	LC	370.	289.000	473.000		.	.	240.	186.000	310.000
12	STATIC	LC	101.	87.000	117.000		.	.	88.	75.000	104.000
13	STATIC	LC	275.	226.000	335.000		.	.	240.	208.000	277.000
14	STATIC	LC		.	.		.	.	120.	82.000	176.000
15	STATIC	LC	540.	426.000	685.000		.	.	400.	289.000	553.000

CARBOPHENOTHION

CAS # 786-19-6 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.30% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	16.0	7.1	40
2	95.30% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	40
3	95.30% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
4	95.30% TECHNICAL MATERIAL	CHANNEL CATFISH		1.10	18.0	7.1	40
5	95.30% TECHNICAL MATERIAL	GREEN SUNFISH		0.80	18.0	7.1	40
6	95.30% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.1	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC		10.000	100.000		.	.		10.000	100.000
2	STATIC	LC	45.	30.000	62.000		.	.	5.2	4.100	6.500
3	STATIC	LC	18.	12.000	27.000		.	.	1.2	0.800	1.400
4	STATIC	LC	11800.	10900.000	12800.000		.	.	6000.	5740.000	6270.000
5	STATIC	LC	3950.	.	.		.	.	280.	186.000	422.000
6	STATIC	LC	27.	21.000	34.000		.	.	13.	10.000	16.000

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                                                                   CCA TYPE III
     CAS #              PRINCIPAL USE:  WOOD PRESERVATIVE                        MEASURED IN MG /L

                                                                                                               DEG.  HARDNESS
                   CHEMICAL                                                                                    CENT.  PH  MG/L
OBS              DESCRIPTION                      SPECIES              SIZE        WEIGHT

  1  50.00% LIQUID                 DAPHNIA MAGNA               1ST INSTAR      .                              17.0  7.4    41
  2  50.00% LIQUID                 GAMMARUS PSEUDOLIMNAEUS     IMMATURE        .                              17.0  7.4    41
  3  50.00% LIQUID                 RAINBOW TROUT                              0.90                            12.0  7.4    42
  4  50.00% LIQUID                 CHANNEL CATFISH                            0.40                            22.0  7.4    40
  5  50.00% LIQUID                 BLUEGILL                                   0.34                            22.0  7.5    35



     __ TEST TYPE __          ___ 24 HOUR ___                   ___ 48 HOUR ___                    ___ 96 HOUR ___
OBS                                  CONFIDENCE INTERVAL               CONFIDENCE INTERVAL                CONFIDENCE INTERVAL

  1  STATIC      EC                      .         .           0.04     0.020      0.050                  .          .
  2  STATIC      LC                      .         .                      .          .         0.05      0.040      0.070
  3  STATIC      LC                      .         .                      .          .        <0.32        .          .
  4  STATIC      LC                      .         .                      .          .          1.8      1.340      2.420
  5  STATIC      LC           23.0    17.200    30.700                    .          .         12.5      9.300     16.700
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CHLORAMBEN

CAS # 133-90-4   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	10.00% WETTABLE POWDER	RAINBOW TROUT		0.30	12.0	7.6	40
2	10.00% WETTABLE POWDER	BLUEGILL		0.34	22.0	7.5	38

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	>10.	.	.
2	STATIC	LC		.	.		.	.	>10.	.	.

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CHLORBROMURON

CAS # 13360-45-7   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.1	44
2	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	6.6	3.200	13.400		.	.	1.4	0.700	3.100
2	STATIC	LC	10.2	8.400	12.400		.	.	10.2	8.400	12.400

CHLORDANE

CAS # 57-74-9 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT		DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.		15.0	7.1	44
2	100.0% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.		15.0	7.1	44
3	100.0% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.		21.0	7.1	44
4	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.		21.0	7.1	44
5	100.0% TECHNICAL MATERIAL	ORCONECTES NAIS	EARLY INSTAR	.		22.0	7.4	272
6	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.		15.0	7.1	44
7	100.0% TECHNICAL MATERIAL	COHO SALMON		0.60		12.0	7.5	44
8	100.0% TECHNICAL MATERIAL	COHO SALMON		0.90		12.0	7.1	44
9	100.0% TECHNICAL MATERIAL	COHO SALMON		4.50		12.0	7.1	44
10	100.0% TECHNICAL MATERIAL	COHO SALMON		11.10		12.0	7.1	44
11	100.0% TECHNICAL MATERIAL	COHO SALMON		19.40		12.0	7.1	44
12	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00		13.0	7.1	44
13	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00		13.0	7.4	272
14	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80		7.0	7.1	44
15	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00		12.0	7.1	44
16	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80		18.0	7.1	44
17	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.20		12.0	7.1	44
18	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		4.70		12.0	7.1	44
19	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		10.80		12.0	7.1	44
20	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		23.50		12.0	7.1	44
21	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		46.00		12.0	7.1	44
22	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	FPRL 75 PERCENT PROTEIN DIET	12.0	7.1	44
23	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	FPRL 50 PERCENT PROTEIN DIET	12.0	7.1	44
24	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	FPRL 25 PERCENT PROTEIN DIET	12.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	29.0	23.000	36.000		.	.
2	STATIC	EC		.	.	20.0	12.000	32.000		.	.
3	STATIC	EC		.	.	24.0	20.000	28.000		.	.
4	STATIC	LC	100.	60.000	190.000		.	.	40.0	21.000	60.000
5	FLOW THROUGH	EC	>50.0	.	.		.	.	>50.0	.	.
6	STATIC	LC	170.	85.000	340.000		.	.	15.0	9.000	24.000
7	STATIC	LC	>20.0	.	.		.	.	14.0	11.400	17.200
8	STATIC	LC	19.7	9.800	39.500		.	.	13.9	9.490	20.500
9	STATIC	LC	>87.0	.	.		.	.	16.3	4.820	54.800
10	STATIC	LC	151.	95.100	239.000		.	.	73.5	55.000	98.300
11	STATIC	LC	155.	43.500	555.000		.	.	80.0	57.600	111.000
12	STATIC	LC	43.0	37.000	49.000		.	.	27.0	24.000	31.000
13	STATIC	LC	48.0	43.000	53.000		.	.	23.0	20.000	26.000
14	STATIC	LC	91.	81.000	102.000		.	.	45.	41.000	49.000
15	STATIC	LC	60.	54.000	67.000		.	.	42.	37.000	48.000
16	STATIC	LC	34.	27.000	41.000		.	.	29.	24.000	35.000
17	STATIC	LC	20.	15.000	26.000		.	.	10.	6.500	16.000
18	STATIC	LC	74.	62.000	89.000		.	.	45.	36.000	56.000
19	STATIC	LC	110.	91.000	133.000		.	.	59.	49.000	71.000
20	STATIC	LC	145.	112.000	188.000		.	.	72.	55.000	94.000
21	STATIC	LC	200.	130.000	309.000		.	.	135.	107.000	170.000
22	STATIC	LC	58.0	37.700	87.200		.	.	<40.0	.	.
23	STATIC	LC	73.0	60.900	87.500		.	.	47.0	37.700	58.500
24	STATIC	LC	66.0	48.700	89.400		.	.	28.5	19.800	41.000

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CHLORDANE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT				DEG. CENT.	PH	HARDNESS MG/L
25	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	EWOS		DIET	12.0	7.1	44
26	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	SILVER CUP		DIET	12.0	7.1	44
27	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	GLENCO		DIET	12.0	7.1	44
28	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	OREGON MOIST		DIET	12.0	7.1	44
29	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	MISSOURI	STRAIN		12.0	7.1	44
30	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		2.00	NEW HAMPSHIRE	STRAIN		12.0	7.1	44
31	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	SOAP LAKE	STRAIN		12.0	7.1	44
32	72.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.80				12.0	7.1	44
33	40.00% WETTABLE POWDER	RAINBOW TROUT		0.80				12.0	7.1	44
34	10.00% GRANULAR FORMULATION	RAINBOW TROUT		1.20				12.0	7.1	44
35	25.00% GRANULAR FORMULATION	RAINBOW TROUT		0.80				12.0	7.1	44
36	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.25	STEELHEAD	STRAIN		12.0	7.5	42
37	100.0% TECHNICAL MATERIAL	BROWN TROUT		0.60				12.0	7.5	44
38	100.0% TECHNICAL MATERIAL	BROWN TROUT		0.60				12.0	7.5	314
39	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70				17.0	7.1	44
40	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.40				17.0	7.5	314
41	100.0% TECHNICAL MATERIAL	WHITE SUCKER		0.40				12.0	7.5	314
42	100.0% TECHNICAL MATERIAL	WHITE SUCKER		0.40				12.0	7.5	320
43	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.90				17.0	7.1	44
44	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		4.30				17.0	7.1	44
45	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		9.70				17.0	7.1	44
46	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		18.50				17.0	7.1	44
47	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.90				18.0	7.4	44
48	100.0% TECHNICAL MATERIAL	BLUEGILL		1.40				17.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	61.0	48.400	76.800		.	.	31.0	22.500	42.600
26	STATIC	LC	40.0	28.200	56.700		.	.	20.0	14.200	28.000
27	STATIC	LC	40.	26.000	61.400		.	.	9.10	4.800	17.200
28	STATIC	LC	27.0	20.700	35.100		.	.	8.2	6.100	11.000
29	STATIC	LC	43.6	28.200	67.400		.	.	27.0	19.000	38.600
30	STATIC	LC	77.7	38.200	158.000		.	.	19.5	9.020	42.000
31	STATIC	LC	62.4	42.500	91.600		.	.	12.6	7.340	21.600
32	STATIC	LC	28.1	21.900	36.100		.	.	4.43	2.630	7.480
33	STATIC	LC	72.1	63.000	82.500		.	.	19.0	11.200	32.000
34	STATIC	LC	28.6	21.500	38.000		.	.	10.2	4.970	30.500
35	STATIC	LC	15.4	11.200	21.100		.	.	7.11	3.710	13.600
36	STATIC	LC	12.9	10.700	15.600		.	.	2.9	1.500	5.600
37	STATIC	LC	30.4	26.500	34.900		.	.	11.1	9.380	13.100
38	FLOW THROUGH	LC	38.0	31.300	46.100		.	.	11.1	8.890	13.900
39	STATIC	LC	420.	293.000	601.000		.	.	115.	62.000	214.000
40	STATIC	LC	320.	241.000	424.000		.	.	56.0	28.100	112.000
41	FLOW THROUGH	LC	>30.0	.	.		.	.	17.	11.000	27.000
42	FLOW THROUGH	LC	>30.	.	.		.	.	17.1	10.700	27.100
43	STATIC	LC	28.	12.000	63.000		.	.	6.7	3.100	15.000
44	STATIC	LC	194.	136.000	277.000		.	.	70.	28.000	176.000
45	STATIC	LC	260.	206.000	328.000		.	.	230.	186.000	285.000
46	STATIC	LC	370.	311.000	440.000		.	.	225.	192.000	263.000
47	STATIC	LC	1.6	.	.		.	.	0.8	.	.
48	STATIC	LC	145.	119.000	176.000		.	.	57.	40.000	81.000

CHLORDANE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	100.0% TECHNICAL MATERIAL	BLUEGILL		4.80	17.0	7.1	44
50	100.0% TECHNICAL MATERIAL	BLUEGILL		20.00	17.0	7.1	44
51	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.4	272
52	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	17.0	7.1	44
53	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		4.20	17.0	7.1	44
54	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		6.10	17.0	7.1	44
55	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		19.50	17.0	7.1	44
56	100.0% TECHNICAL MATERIAL	YELLOW PERCH		0.60	12.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
49	STATIC	LC	167.	124.000	226.000		.	.	92.	64.000	133.000
50	STATIC	LC	170.	135.000	215.000		.	.	128.	107.000	153.000
51	STATIC	LC	27.	23.000	32.000		.	.	12.	10.000	14.000
52	STATIC	LC	94.	57.000	160.000		.	.	32.	.	.
53	STATIC	LC	180.	140.000	220.000		.	.	56.	42.000	74.000
54	STATIC	LC	270.	216.000	337.000		.	.	140.	108.000	182.000
55	STATIC	LC	320.	271.000	378.000		.	.	130.	98.000	172.000
56	FLOW THROUGH	LC	18.5	14.700	23.200		.	.	9.60	8.050	11.400

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                                                                         CHLORDANE CIS
     CAS # 5103-71-9     PRINCIPAL USE:  INSECTICIDE                                  MEASURED IN UG /L

                        CHEMICAL                                                                               DEG.  HARDNESS
OBS                   DESCRIPTION                   SPECIES            SIZE       WEIGHT                       CENT. PH  MG/L

  1  100.0% TECHNICAL MATERIAL          BLUEGILL                                   1.00                        17.0  7.1    44



OBS  _ TEST TYPE _           ___ 24 HOUR ___                      ___ 48 HOUR ___                    ___ 96 HOUR ___
                                    CONFIDENCE  INTERVAL                 CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL

  1  STATIC        LC          28.3       19.400      41.400                   .           .          7.09       4.270       11.800
```

CHLORDANE-HCS-3260

CAS #   PRINCIPAL USE: INSECTICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	12.0	7.1	44
2	45.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		1.50	12.0	7.1	44
3	33.30% GRANULAR FORMULATION	RAINBOW TROUT		1.50	12.0	7.1	44
4	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	17.0	7.1	44
5	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.80	17.0	7.1	44
6	100.0% TECHNICAL MATERIAL	BLUEGILL		1.30	17.0	7.1	44
7	45.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.50	17.0	7.1	44
8	33.30% GRANULAR FORMULATION	BLUEGILL		1.50	17.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	36.2	23.400	56.000		.	.	24.9	16.100	38.500
2	STATIC	LC	55.6	10.400	299.000		.	.	24.9	16.100	38.500
3	STATIC	LC	32.6	22.900	46.500		.	.		.	.
4	STATIC	LC	80.7	.	.		.	.	24.8	.	.
5	STATIC	LC	47.3	.	.		.	.	45.8	.	.
6	STATIC	LC	49.8	.	.		.	.	29.3	.	.
7	STATIC	LC	27.0	.	.		.	.	23.4	.	.
8	STATIC	LC	52.0	.	.		.	.	19.1	.	.

CHLORDANE TRANS

CAS # 5103-74-2   PRINCIPAL USE: INSECTICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.80% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	210.	137.000	321.000		.	.	50.5	30.800	82.700

CHLORDECONE

CAS # 143-50-0 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.70% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.2	43
2	90.70% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.7	38
3	90.70% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.7	38
4	90.70% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.1	44
5	90.70% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.4	272
6	94.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.03	22.0	7.1	44
7	94.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.30	22.0	7.4	272
8	90.70% TECHNICAL MATERIAL	CHANNEL CATFISH		1.60	18.0	7.1	44
9	90.70% TECHNICAL MATERIAL	BLUEGILL		3.50	24.0	7.1	44
10	90.70% TECHNICAL MATERIAL	REDEAR SUNFISH		1.00	7.0	7.1	44
11	90.70% TECHNICAL MATERIAL	REDEAR SUNFISH		1.00	12.0	7.1	44
12	90.70% TECHNICAL MATERIAL	REDEAR SUNFISH		1.00	18.0	7.1	44
13	90.70% TECHNICAL MATERIAL	REDEAR SUNFISH		1.00	24.0	7.1	44
14	90.70% TECHNICAL MATERIAL	REDEAR SUNFISH		1.00	29.0	7.1	44

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OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	260.	200.000	345.000		.	.
2	STATIC	LC		.	.		.	.	180.	110.000	290.000
3	STATIC	EC		.	.	320.	230.000	450.000		.	.
4	STATIC	LC	64.	50.000	82.000		.	.	30.	24.000	38.000
5	STATIC	LC	100.	87.000	115.000		.	.	29.	23.000	37.000
6	STATIC	LC		.	.		.	.	420.	373.000	473.000
7	FLOW THROUGH	LC		.	.		.	.	340.	289.000	400.000
8	STATIC	LC	225.	.	.		.	.	225.	.	.
9	STATIC	LC	280.	.	.		.	.	72.	.	.
10	STATIC	LC	620.	570.000	680.000		.	.	140.	130.000	150.000
11	STATIC	LC	540.	490.000	590.000		.	.	96.	87.000	105.000
12	STATIC	LC	340.	310.000	370.000		.	.	64.	59.000	70.000
13	STATIC	LC	240.	220.000	260.000		.	.	44.	41.000	47.000
14	STATIC	LC	120.	110.000	130.000		.	.	29.	26.000	32.000

CHLORDIMEFORM

CAS # 6164-98-3 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.1	44
2	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	18.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	29.0	20.400	41.400		.	.	13.2	8.100	21.300
2	STATIC	LC	20.7	14.900	28.600		.	.	20.2	14.800	27.600

CAS # 1770-80-5   PRINCIPAL USE: PLASTICIZER

CHLORENDATE DIBUTYL
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		1.00	6.0	7.4	44
2	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		0.80	16.0	7.4	272
3	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		1.40	16.0	7.4	272
4	100.0% COMMERCIAL FORMULATION	FATHEAD MINNOW		1.00	20.0	7.4	44
5	100.0% COMMERCIAL FORMULATION	CHANNEL CATFISH		1.00	20.0	7.4	44
6	100.0% COMMERCIAL FORMULATION	BLUEGILL		1.40	20.0	7.4	44
7	100.0% COMMERCIAL FORMULATION	BLUEGILL		0.60	12.0	7.6	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>150.	.	.		.	.	170.	132.000	210.000
2	FLOW THROUGH	LC	>0.150	.	.		.	.	0.050	0.038	0.066
3	FLOW THROUGH	LC	>0.020	.	.		.	.	>0.020	.	.
4	STATIC	LC	>100.	.	.		.	.	>100.	.	.
5	STATIC	LC	>100.	.	.		.	.	>100.	.	.
6	STATIC	LC	>100.	.	.		.	.	>100.	.	.
7	FLOW THROUGH	LC	>10.	.	.		.	.	10.4	8.900	12.000

CAS # 1773-89-3 PRINCIPAL USE: PLASTICIZER

CHLORENDATE DIMETHYL
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		1.00	6.0	7.4	44
2	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		1.00	11.0	7.4	44
3	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		0.80	16.0	7.4	272
4	100.0% COMMERCIAL FORMULATION	FATHEAD MINNOW		1.00	20.0	7.4	44
5	100.0% COMMERCIAL FORMULATION	FATHEAD MINNOW		1.60	16.0	7.4	272
6	100.0% COMMERCIAL FORMULATION	CHANNEL CATFISH		1.00	20.0	7.4	44
7	100.0% COMMERCIAL FORMULATION	CHANNEL CATFISH		1.20	16.0	7.4	272
8	100.0% COMMERCIAL FORMULATION	BLUEGILL		1.40	20.0	7.4	44
9	100.0% COMMERCIAL FORMULATION	BLUEGILL		1.50	20.0	7.4	272

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	3.25	2.770	3.810		.	.	1.75	1.510	2.020
2	STATIC	LC	3.00	2.420	3.720		.	.	1.40	1.040	1.890
3	FLOW THROUGH	LC	>0.70	.	.		.	.	0.42	0.360	0.480
4	STATIC	LC	2.21	0.960	5.090		.	.	1.70	1.250	2.300
5	FLOW THROUGH	LC	>2.5	.	.		.	.	1.75	1.610	1.900
6	STATIC	LC		.	.		.	.	2.00	1.590	2.510
7	FLOW THROUGH	LC	>2.50	.	.		.	.	2.30	1.390	3.830
8	STATIC	LC	4.12	3.000	5.660		.	.	2.24	1.830	2.740
9	FLOW THROUGH	LC	>2.50	.	.		.	.	2.70	2.250	3.230

CHLORFENETHOL

CAS # 80-06-8 PRINCIPAL USE: ACARICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	0.50	21.0	7.1	44
2	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.1	44
3	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.4	272
4	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.27	.	.		.	.
2	STATIC	LC	1.74	1.410	2.150		.	.	1.39	0.950	2.050
3	STATIC	LC	1.88	1.400	2.520		.	.	1.52	0.960	2.410
4	STATIC	LC	1.70	1.600	1.800		.	.	0.90	0.650	1.200

CHLORFENVINPHOS

CAS # 470-90-6 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	92.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	44
2	92.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.4	44
3	92.00% TECHNICAL MATERIAL	RAINBOW TROUT		4.90	12.0	7.4	44
4	92.00% TECHNICAL MATERIAL	BLUEGILL		0.30	24.0	7.4	44
5	92.00% TECHNICAL MATERIAL	BLUEGILL		0.90	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	27	18.000	41.000		.	.	9.6	7.300	12.700
2	STATIC	LC	5.8	3.700	9.200		.	.	0.7	0.500	1.100
3	STATIC	LC	1650	1240.000	2190.000		.	.	510	420.000	620.000
4	STATIC	LC	2.8	2.200	3.600		.	.		.	.
5	STATIC	LC	50	40.000	62.000		.	.	23	17.000	31.000

CHLORINATED ALPHA OLEFIN 22/44
MEASURED IN MG /L

CAS #   PRINCIPAL USE: PLASTICIZER

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		0.70	10.0	7.4	44
2	100.0% COMMERCIAL FORMULATION	BLUEGILL		0.50	20.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	>300.	.	.
2	STATIC	LC		.	.		.	.	>300.	.	.

CHLORMEQUAT CHLORIDE

CAS # 999-81-5 PRINCIPAL USE: GROWTH REGULATOR

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.10% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	12.0	7.4	272
2	98.10% TECHNICAL MATERIAL	FATHEAD MINNOW		1.50	17.0	7.4	272
3	98.10% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	17.0	7.4	272
4	98.10% TECHNICAL MATERIAL	BLUEGILL		1.50	17.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	>100.	.	.		.	.	>100.	.	.

CHLOROBENZILATE

CAS # 510-15-6 PRINCIPAL USE: ACARICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.50% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	95.50% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	95.50% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	13.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	870.	690.000	1100.000		.	.
2	STATIC	EC		.	.	550.	460.000	650.000		.	.
3	STATIC	LC	750.	.	.		.	.	670.	.	.

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                                                                                    CHLORONITROPROPANE
   CAS # 2425-66-3     PRINCIPAL USE:  FUNGICIDE                                            MEASURED IN UG /L

                      CHEMICAL                                                                                     DEG.   HARDNESS
 OBS                DESCRIPTION                    SPECIES               SIZE        WEIGHT                        CENT.  PH   MG/L

   1  45.00% EMULSIFIABLE CONCENTRATE  GAMMARUS LACUSTRIS         MATURE           .                            21.0  7.1     44
   2  45.00% EMULSIFIABLE CONCENTRATE  RAINBOW TROUT                               1.50                          12.0  7.1     44
   3  45.00% EMULSIFIABLE CONCENTRATE  BLUEGILL                                    1.10                          18.0  7.1     44
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       __ TEST TYPE __              ___ 24 HOUR ___                         ___ 48 HOUR ___                        ___ 96 HOUR ___
 OBS                                       CONFIDENCE INTERVAL                     CONFIDENCE INTERVAL                    CONFIDENCE INTERVAL

   1  STATIC          LC          2800.    1090.000    3836.000                     .           .            640.     460.000      889.000
   2  STATIC          LC           120.     111.000     129.000                     .           .            110.      96.000      126.000
   3  STATIC          LC           152.     140.000     165.000                     .           .            152.     143.000      162.000
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CAS # 4684-94-0 PRINCIPAL USE: NITROGEN STABILIZER

6-CHLORO-2-PICOLINIC ACID
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
2	99.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	16.0	7.4	272
3	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	16.0	7.4	272
4	99.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
5	99.00% TECHNICAL MATERIAL	RAINBOW TROUT	FINGERLING	.	12.0	7.1	44
6	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	1.6	.	.		.	.
2	STATIC	LC	7.0	.	.		.	.	1.3	.	.
3	STATIC	LC	>8.0	.	.		.	.	10.0	.	.
4	STATIC	LC	3.2	.	.		.	.	0.4	.	.
5	STATIC	LC	88.	.	.		.	.	82.	.	.
6	STATIC	LC	145.	.	.		.	.	88.	.	.

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                                                                               CHLOROWAX LV
     CAS #              PRINCIPAL USE:  INDUSTRIAL                                        MEASURED IN MG /L

                     CHEMICAL                                                                                        DEG.  HARDNESS
 OBS               DESCRIPTION                      SPECIES              SIZE       WEIGHT                           CENT.  PH   MG/L

   1  100.0% COMMERCIAL FORMULATION   RAINBOW TROUT                          0.70                            10.0  7.4     44
   2  100.0% COMMERCIAL FORMULATION   BLUEGILL                               0.50                            20.0  7.4     44




 OBS   __ TEST TYPE __          ___ 24 HOUR ___                      ___ 48 HOUR ___                      ___ 96 HOUR ___
                                        CONFIDENCE  INTERVAL                 CONFIDENCE  INTERVAL                 CONFIDENCE  INTERVAL

   1   STATIC        LC         >300.       .          .                          .          .          >300.       .          .
   2   STATIC        LC         >300.       .          .                          .          .          >300.       .          .
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CHLOROWAX 40

CAS # 51990-12-6   PRINCIPAL USE: INDUSTRIAL

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		0.70	10.0	7.4	44
2	100.0% COMMERCIAL FORMULATION	BLUEGILL		0.70	20.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>300.	.	.		.	.	>300.	.	.
2	STATIC	LC	>300.	.	.		.	.	>300.	.	.

CHLOROWAX 50

CAS # 56509-64-9 PRINCIPAL USE: INDUSTRIAL

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		0.70	10.0	7.4	44
2	100.0% COMMERCIAL FORMULATION	BLUEGILL		0.80	20.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>300.	.	.		.	.	>300.	.	.
2	STATIC	LC	>300.	.	.		.	.	>300.	.	.

CAS #　　　PRINCIPAL USE: INDUSTRIAL　　　CHLOROWAX 70
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		0.70	10.0	7.4	44
2	100.0% COMMERCIAL FORMULATION	BLUEGILL		0.50	20.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>300.	.	.		.	.	>300.	.	.
2	STATIC	LC	>300.	.	.		.	.	>300.	.	.

CHLOROWAX 500C

CAS # 63449-39-8   PRINCIPAL USE: INDUSTRIAL   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		1.10	5.0	7.4	44
2	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		0.50	10.0	7.4	44
3	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		1.10	15.0	7.4	44
4	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		1.00	10.0	7.4	272
5	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT	SWIMUP FRY	.	10.0	7.4	272
6	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT	YOLK-SAC FRY	.	10.0	7.4	272
7	100.0% COMMERCIAL FORMULATION	FATHEAD MINNOW		0.80	20.0	7.4	44
8	100.0% COMMERCIAL FORMULATION	CHANNEL CATFISH		1.10	20.0	7.4	44
9	100.0% COMMERCIAL FORMULATION	CHANNEL CATFISH		2.10	20.0	7.4	272
10	100.0% COMMERCIAL FORMULATION	BLUEGILL		1.20	15.0	7.4	44
11	100.0% COMMERCIAL FORMULATION	BLUEGILL		0.70	20.0	7.4	44
12	100.0% COMMERCIAL FORMULATION	BLUEGILL		1.20	25.0	7.4	44
13	100.0% COMMERCIAL FORMULATION	BLUEGILL		1.40	20.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>300.	.	.		.	.	>300.	.	.
2	STATIC	LC	>300.	.	.		.	.	>300.	.	.
3	STATIC	LC	>300.	.	.		.	.	>300.	.	.
4	FLOW THROUGH	LC	>0.10	.	.		.	.	>0.10	.	.
5	FLOW THROUGH	LC	>0.10	.	.		.	.	>0.10	.	.
6	FLOW THROUGH	LC	>0.10	.	.		.	.		0.060	0.080
7	STATIC	LC	>100.	.	.		.	.	>100.	.	.
8	STATIC	LC	>300.	.	.		.	.	>300.	.	.
9	FLOW THROUGH	LC	>0.10	.	.		.	.	>0.10	.	.
10	STATIC	LC	>300.	.	.		.	.	>300.	.	.
11	STATIC	LC	>300.	.	.		.	.	>300.	.	.
12	STATIC	LC	>300.	.	.		.	.	>300.	.	.
13	FLOW THROUGH	LC	>0.10	.	.		.	.	>0.10	.	.

CHLOROXURON

CAS # 1982-47-4 PRINCIPAL USE: HERBICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.4	44
2	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.30	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>3720.	.	.		.	.	430.	362.000	510.000
2	STATIC	LC	800.	698.000	917.000		.	.	450.	163.000	1239.000

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CHLORPYRIFOS

CAS # 2921-88-2 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	97.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
2	97.00% TECHNICAL MATERIAL	CLAASSENIA SABULOSA	2ND YEAR CLASS	.	15.0	7.1	44
3	97.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
4	97.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.40	10.0	7.5	44
5	97.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	10.0	9.0	44
6	97.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	10.0	7.4	162
7	97.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.30	10.0	7.4	162
8	97.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	2.0	7.1	44
9	97.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	7.0	7.1	44
10	97.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	44
11	97.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	18.0	7.1	44
12	97.00% TECHNICAL MATERIAL	LAKE TROUT		2.30	12.0	6.0	44
13	97.00% TECHNICAL MATERIAL	LAKE TROUT		2.30	12.0	7.5	44
14	97.00% TECHNICAL MATERIAL	LAKE TROUT		2.30	12.0	9.0	44
15	97.00% TECHNICAL MATERIAL	LAKE TROUT		0.30	12.0	7.4	162
16	97.00% TECHNICAL MATERIAL	LAKE TROUT		2.90	12.0	7.4	162
17	97.00% TECHNICAL MATERIAL	LAKE TROUT		2.30	12.0	7.4	162
18	97.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	18.0	7.1	44
19	97.00% TECHNICAL MATERIAL	BLUEGILL		0.60	18.0	7.1	44
20	97.00% TECHNICAL MATERIAL	BLUEGILL		0.50	13.0	7.4	272
21	97.00% TECHNICAL MATERIAL	BLUEGILL		0.50	18.0	7.4	272
22	97.00% TECHNICAL MATERIAL	BLUEGILL		0.50	24.0	7.4	272
23	97.00% TECHNICAL MATERIAL	BLUEGILL		0.50	29.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	0.76	0.470	1.200		.	.	0.11	0.070	0.170
2	STATIC	LC	8.2	4.900	14.000		.	.	0.57	0.400	0.800
3	STATIC	LC	50.	38.000	65.000		.	.	10.	7.000	13.000
4	STATIC	LC	>32.	.	.		.	.	18.4	15.600	21.700
5	STATIC	LC	>32.	.	.		.	.	5.4	4.100	7.100
6	STATIC	LC	120.	89.500	160.000		.	.	26.0	16.800	40.300
7	STATIC	LC	95.9	71.000	130.000		.	.	13.4	9.900	18.000
8	STATIC	LC	550.	480.000	630.000		.	.	51.	43.000	60.000
9	STATIC	LC	110.	90.000	130.000		.	.	15.	13.000	17.000
10	STATIC	LC	53.	45.000	62.000		.	.	7.1	6.000	8.400
11	STATIC	LC	15.	12.000	19.000		.	.	<1.	.	.
12	STATIC	LC	230.	.	.		.	.	140.	90.000	217.000
13	STATIC	LC	230.	.	.		.	.	98.	54.000	180.000
14	STATIC	LC		.	.		.	.	205.	130.000	320.000
15	STATIC	LC	419.	278.000	632.000		.	.	227.	171.000	303.000
16	STATIC	LC	195.	91.000	413.000		.	.	73.	45.000	121.000
17	FLOW THROUGH	LC		.	.		.	.	244.	205.000	290.000
18	STATIC	LC	410.	286.000	588.000		.	.	280.	206.000	381.000
19	STATIC	LC	>10.	.	.		.	.	2.4	1.100	5.100
20	STATIC	LC		.	.		.	.	4.2	.	.
21	STATIC	LC		.	.		.	.	1.8	.	.
22	STATIC	LC		.	.		.	.	2.5	.	.
23	STATIC	LC		.	.		.	.	1.7	.	.

CAS # 5598-13-0   PRINCIPAL USE: INSECTICIDE

CHLORPYRIFOS-METHYL
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	44
2	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.4	272
3	96.00% TECHNICAL MATERIAL	BROOK TROUT		1.15	12.0	7.5	40
4	61.00% EMULSIFIABLE CONCENTRATE	BROOK TROUT		1.15	12.0	7.5	40
5	98.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	567.	464.000	684.000		.	.	301.	233.000	389.000
2	STATIC	LC	151.	113.000	201.000		.	.	120.	91.000	159.000
3	STATIC	LC	400.	280.000	570.000		.	.	200.	140.000	280.000
4	STATIC	LC		.	.		.	.	100.	65.000	150.000
5	STATIC	LC	712.	559.000	907.000		.	.	678.	542.000	846.000

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CLARIFITE

CAS # PRINCIPAL USE: ROAD OIL MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	7.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	>18.	.	.		.	.	13.	10.000	17.000

1 OF 1

CLONITRALIDE

CAS # 1420-04-8 PRINCIPAL USE: MOLLUSCICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	93.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
2	99.00% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.4	44
3	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	44
4	93.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	21.0	7.4	272
5	93.00% TECHNICAL MATERIAL	ORCONECTES NAIS	EARLY INSTAR	.	21.0	7.4	272
6	93.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
7	93.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	21.0	7.1	44
8	93.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	21.0	7.4	272
9	93.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	12.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	190.	140.000	270.000		.	.
2	STATIC	LC		.	.	310.	229.000	419.000		.	.
3	STATIC	LC	2000.	791.000	5058.000		.	.	360.	221.000	586.000
4	STATIC	LC	5600.	4700.000	6700.000		.	.	2400.	1800.000	3100.000
5	STATIC	LC	32000.	23000.000	45000.000		.	.	25000.	19000.000	33000.000
6	STATIC	LC	19000.	12000.000	29000.000	11000.	7800.000	16000.000	10000.	7000.000	15000.000
7	STATIC	LC	2300.	1300.000	3900.000	900.	510.000	1600.000	200.	130.000	300.000
8	STATIC	EC		.	.	1600.	1100.000	2200.000		.	.
9	STATIC	LC	680.	543.000	852.000		.	.	340.	289.000	399.000

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COPPER-COUNT-N

CAS # 61912-87-6   PRINCIPAL USE: FUNGICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	8.00 % SPRAY CONCENTRATE	RAINBOW TROUT		1.00	12.0	7.1	44
2	8.00 % SPRAY CONCENTRATE	FATHEAD MINNOW		1.00	17.0	7.1	44
3	8.00 % SPRAY CONCENTRATE	BLUEGILL		1.20	17.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	31.9	22.700	44.600		.	.	20.4	14.800	28.200
2	STATIC	LC	55.3	43.300	70.700		.	.	35.9	26.300	48.900
3	STATIC	LC	13900.	9450.000	20400.000		.	.	3280.	1860.000	5750.000

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                                                                                  COPPER-COUNT-NS
      CAS #               PRINCIPAL USE:  FUNGICIDE                                         MEASURED IN UG /L

                             CHEMICAL                                                                                         DEG.  HARDNESS
 OBS                        DESCRIPTION                   SPECIES                SIZE       WEIGHT                            CENT. PH  MG/L

   1  13.00% SPRAY CONCENTRATE          RAINBOW TROUT                                        1.00                             12.0  7.1    44
   2  13.00% SPRAY CONCENTRATE          FATHEAD MINNOW                                       1.10                             17.0  7.1    44
   3  13.00% SPRAY CONCENTRATE          BLUEGILL                                             1.20                             17.0  7.1    44




        __ TEST TYPE __               ___ 24 HOUR ___                         ___ 48 HOUR ___                        ___ 96 HOUR ___
 OBS                                            CONFIDENCE  INTERVAL                    CONFIDENCE  INTERVAL                    CONFIDENCE  INTERVAL

   1  STATIC          LC             139.      103.000     188.000                       .           .            121.      90.200     164.000
   2  STATIC          LC             484.      271.000     863.000                       .           .            154.      92.500     255.000
   3  STATIC          LC           13900.     9450.000   20400.000                       .           .          13700.    9360.000   20400.000
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CAS # 1332-40-7 PRINCIPAL USE: FUNGICIDE

COPPER OXYCHLORIDE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	BLUEGILL		1.00	24.0	7.4	44

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OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	1.10	.	.		.	.	0.98	.	.

COPPER SULFATE

CAS # 7758-98-7 PRINCIPAL USE: ALGICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.60	13.0	7.1	44
2	98.00% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.4	272
3	98.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.4	272
4	98.00% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.1	44
5	98.00% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.4	272
6	98.00% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.1	44
7	98.00% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	150.	.	.		.	.	135.	.	.
2	STATIC	LC	4490.	3260.000	6200.000		.	.	1380.	989.000	1930.000
3	STATIC	LC	1680.	1260.000	2250.000		.	.	838.	623.000	1000.000
4	STATIC	LC	4290.	3110.000	5910.000		.	.	3510.	2570.000	4800.000
5	STATIC	LC	4050.	2620.000	6260.000		.	.	3400.	2600.000	4440.000
6	STATIC	LC	1180.	892.000	1550.000		.	.	884.	707.000	1100.000
7	STATIC	LC	7340.	4250.000	12700.000		.	.	7340.	4250.000	12700.000

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CORREX

CAS # 52316-55-9 PRINCIPAL USE: FUNGICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.10% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	12.0	7.4	44
2	0.70 % LIQUID	RAINBOW TROUT		1.00	12.0	7.4	44
3	98.10% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	22.0	7.4	44
4	98.10% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	22.0	7.4	44
5	0.70 % LIQUID	CHANNEL CATFISH		0.80	22.0	7.4	44
6	98.10% TECHNICAL MATERIAL	BLUEGILL		0.90	22.0	7.4	44
7	0.70 % LIQUID	BLUEGILL		0.60	22.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>5600.	.	.		.	.	1600.	1240.000	2070.000
2	STATIC	LC	>3200.	.	.		.	.	560.	420.000	740.000
3	STATIC	LC	>10000	.	.		.	.	>10000	.	.
4	STATIC	LC	>320.	.	.		.	.	22.	14.400	33.600
5	STATIC	LC	>100.	.	.		.	.	19.	13.000	28.000
6	STATIC	LC	>10000	.	.		.	.	>10000	.	.
7	STATIC	LC		.	.		.	.	14000.	9350.000	21000.000

COUMAPHOS

CAS # 56-72-4 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
2	95.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
3	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.30	12.0	7.4	44
4	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.1	44
5	95.00% TECHNICAL MATERIAL	LAKE TROUT		2.10	12.0	7.4	162
6	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.00	18.0	7.4	44
7	95.00% TECHNICAL MATERIAL	BLUEGILL		1.30	18.0	7.1	44
8	95.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	18.0	7.4	272
9	95.00% TECHNICAL MATERIAL	WALLEYE		0.80	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.10	.	.		.	.
2	STATIC	LC	0.32	0.180	0.580		.	.	0.074	0.059	0.092
3	STATIC	LC	1090.	872.000	1360.000		.	.	862.	645.000	1150.000
4	STATIC	LC	3000.	.	.		.	.	890.	.	.
5	STATIC	LC	998.	734.000	1360.000		.	.	593.	416.000	846.000
6	STATIC	LC	5200.	2980.000	9070.000		.	.	840.	620.000	1140.000
7	STATIC	LC	1100.	.	.		.	.	340.	.	.
8	STATIC	LC	1500.	1100.000	2000.000		.	.	1100.	1000.000	1200.000
9	STATIC	LC	1350.	1220.000	1490.000		.	.	780.	645.000	943.000

CROTOXYPHOS

CAS # 7700-17-16 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	80.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	15.0	7.1	44
2	80.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.1	44
3	80.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	12.0	7.1	44
4	80.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	17.0	7.1	44
5	80.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	17.0	7.1	44
6	80.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.10	18.0	7.1	44
7	80.00% TECHNICAL MATERIAL	BLUEGILL		1.10	17.0	7.1	44
8	80.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	49.0	36.000	67.000	29.0	21.000	41.000		.	.
2	STATIC	LC	6.6	.	.		.	.		.	.
3	STATIC	LC	92.0	49.000	170.000		.	.	51.0	28.000	91.000
4	STATIC	LC	101.	82.400	124.000		.	.	72.4	60.000	87.400
5	STATIC	LC	15500.	12800.000	18700.000		.	.	11900.	9830.000	14400.000
6	STATIC	LC	5000.	4260.000	5870.000		.	.	2600.	2240.000	3020.000
7	STATIC	LC	390.	338.000	450.000		.	.	152.	126.000	183.000
8	STATIC	LC	1800.	.	.		.	.	1100.	.	.

CRUFOMATE

CAS # 299-86-5 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	92.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	262
2	92.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	44
3	92.00% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.4	44
4	92.00% TECHNICAL MATERIAL	BLUEGILL		1.00	15.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	5600.	4900.000	6400.000		.	.	3700.	3400.000	4100.000
2	STATIC	LC	240.	98.000	586.000		.	.	>100.	.	.
3	STATIC	LC	3750.	2550.000	5510.000		.	.	1800.	1340.000	2420.000
4	STATIC	LC	5100.	3500.000	7400.000		.	.	<3200.	.	.

CRYOLITE

CAS # 15096-52-3 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	96.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	96.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.80	12.0	7.1	44
4	96.00% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	10.0	7.600	13.000		.	.
2	STATIC	EC		.	.	5.00	3.600	6.800		.	.
3	STATIC	LC	160.	.	.		.	.	47.	.	.
4	STATIC	LC	>400.	.	.		.	.	>400.	.	.

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                                                                                CUMYLPHENYL DIPHENYL PHOSPHATE
   CAS # 34364-42-6    PRINCIPAL USE:  HYDRAULIC FLUID                                  MEASURED IN MG /L

                      CHEMICAL                                                                                        DEG.  HARDNESS
OBS                  DESCRIPTION                 SPECIES               SIZE       WEIGHT                              CENT.  PH  MG/L

  1  100.0% LIQUID                      RAINBOW TROUT                             0.60                                12.0  7.4    40
  2  100.0% LIQUID                      FATHEAD MINNOW                            1.00                                22.0  7.3    44
  3  100.0% LIQUID                      CHANNEL CATFISH                           0.23                                22.0  7.5    38



      __ TEST TYPE __         ___ 24 HOUR ___                  ___ 48 HOUR ___                   ___ 96 HOUR ___
OBS                                  CONFIDENCE INTERVAL             CONFIDENCE INTERVAL               CONFIDENCE INTERVAL

  1  STATIC          LC        >100.       .          .                   .          .          >100.       .          .
  2  STATIC          LC        >100.       .          .                   .          .          >100.       .          .
  3  STATIC          LC        >100.       .          .                   .          .          >100.       .          .
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CUTRINE-PLUS

CAS # 66555-33-7   PRINCIPAL USE: ALGICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	9.00 % LIQUID	APPLE SNAIL	1-2DAY	.	22.0	7.4	42
2	9.00 % LIQUID	APPLE SNAIL	2-4WK	.	22.0	7.3	40
3	9.00 % LIQUID	APPLE SNAIL	2-4WK	.	27.0	7.5	42
4	9.00 % LIQUID	BLUEGILL		0.70	22.0	7.1	44
5	9.00 % LIQUID	BLUEGILL		0.70	22.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	.062	0.047	0.082		.	.	.036	0.030	0.043
2	STATIC	LC	.070	0.053	0.092		.	.	.048	0.034	0.068
3	STATIC	LC	.065	0.048	0.088		.	.	.048	0.034	0.067
4	STATIC	LC		.	.		.	.	2.3	1.910	2.770
5	STATIC	LC	2.8	2.000	3.900		.	.	1.32	1.000	1.750

CYANAZINE

CAS # 21725-46-2 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
2	80.00% WETTABLE POWDER	RAINBOW TROUT		1.00	13.0	7.1	44
3	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.1	44
4	48.00% LIQUID	FATHEAD MINNOW		1.20	18.0	7.1	44
5	80.00% WETTABLE POWDER	FATHEAD MINNOW		1.20	18.0	7.1	44
6	80.00% WETTABLE POWDER	FATHEAD MINNOW		1.20	18.0	7.4	272
7	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.60	18.0	7.1	44
8	48.00% LIQUID	CHANNEL CATFISH		1.60	18.0	7.1	44
9	80.00% WETTABLE POWDER	CHANNEL CATFISH		1.60	18.0	7.1	44
10	80.00% WETTABLE POWDER	BLUEGILL		1.10	18.0	7.1	44
11	80.00% WETTABLE POWDER	BLUEGILL		1.10	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>5.6	.	.		.	.	2.0	.	.
2	STATIC	LC	12.	8.500	17.300		.	.	9.0	5.600	14.600
3	STATIC	LC	19.1	17.300	21.100		.	.	16.3	14.200	18.000
4	STATIC	LC	17.9	15.900	20.100		.	.	17.5	15.700	19.700
5	STATIC	LC	23.8	20.200	28.000		.	.	21.3	16.500	27.400
6	STATIC	LC	19.7	15.900	24.500		.	.	19.4	15.700	24.100
7	STATIC	LC	25.5	21.300	30.500		.	.	17.4	12.200	24.800
8	STATIC	LC	11.3	9.900	12.900		.	.	11.3	9.900	12.900
9	STATIC	LC	13.4	8.400	21.600		.	.	10.4	7.700	14.000
10	STATIC	LC	22.5	.	.		.	.	20.3	.	.
11	STATIC	LC	19.3	.	.		.	.		18.000	21.000

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CAS # 502-39-6 PRINCIPAL USE: FUNGICIDE

CYANO(METHYLMERCURI)GUANIDINE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	2.20 % WETTABLE POWDER	RAINBOW TROUT		1.00	12.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	128.	96.000	172.000		.	.	55.	30.000	101.000

CYHEXATIN

CAS # 13121-70-5   PRINCIPAL USE: ACARICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	96.80% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.1	44
2	96.80% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
3	96.80% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.1	44
4	96.80% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.4	272
5	50.00% WETTABLE POWDER	BLUEGILL		1.30	18.0	7.1	44
6	50.00% WETTABLE POWDER	BLUEGILL		1.10	18.0	7.4	272
7	96.80% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.4	272
8	50.00% WETTABLE POWDER	LARGEMOUTH BASS		0.70	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.17	0.120	0.250		.	.
2	STATIC	LC	32.	.	.		.	.	5.	.	.
3	STATIC	LC	10.	8.000	12.000		.	.	6.7	5.800	7.700
4	STATIC	LC	12.	11.000	13.000		.	.	6.4	5.900	7.000
5	STATIC	LC	305.	258.000	361.000		.	.	115.	102.000	130.000
6	STATIC	LC	290.	251.000	336.000		.	.	56.	44.000	72.000
7	STATIC	LC	5.0	4.700	5.400		.	.	2.1	1.900	2.300
8	STATIC	LC	118.	101.000	137.000		.	.	16.	14.000	19.000

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                                                                                    CYPRAZINE
    CAS # 22936-86-3    PRINCIPAL USE:  HERBICIDE                                            MEASURED IN UG /L

                       CHEMICAL                                                                                         DEG.  HARDNESS
OBS                  DESCRIPTION                        SPECIES            SIZE        WEIGHT                           CENT. PH  MG/L

  1  12.80% EMULSIFIABLE CONCENTRATE  FATHEAD MINNOW                        0.70                            17.0  7.4    44
  2  98.20% TECHNICAL MATERIAL        FATHEAD MINNOW                        0.70                            17.0  7.4    44
  3  12.80% EMULSIFIABLE CONCENTRATE  BLUEGILL                              1.20                            17.0  7.4    44
  4  98.20% TECHNICAL MATERIAL        BLUEGILL                              1.20                            17.0  7.4    44


     __ TEST TYPE __               ___ 24 HOUR ___                   ___ 48 HOUR ___                   ___ 96 HOUR ___
OBS                                       CONFIDENCE  INTERVAL              CONFIDENCE  INTERVAL              CONFIDENCE  INTERVAL

  1  STATIC        LC          1510.    1120.000    2010.000               .          .          942.     703.000    1026.000
  2  STATIC        LC         21300.   14100.000   23100.000               .          .        13800.    9470.000   20000.000
  3  STATIC        LC          1390.    1100.000    1760.000               .          .         1280.    1020.000    1600.000
  4  STATIC        LC         31800.   28100.000   36000.000               .          .        30400.   27100.000   34200.000
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CYTROL AMITROLE-T

CAS # 61-82-5 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	21.10% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
2	21.10% LIQUID	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.4	272
3	21.10% LIQUID	CHANNEL CATFISH		1.80	18.0	7.4	44
4	21.10% LIQUID	CHANNEL CATFISH		1.80	18.0	7.4	272
5	21.10% LIQUID	BLUEGILL		1.10	18.0	7.4	44
6	21.10% LIQUID	BLUEGILL		1.10	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.		18.000	56.000		.	.
2	STATIC	LC	>100	.	.		.	.	>100.	.	.
3	STATIC	LC	>160.	.	.		.	.	>160.	.	.
4	STATIC	LC	>160.	.	.		.	.	>160.	.	.
5	STATIC	LC	>280.	.	.		.	.	>280.	.	.
6	STATIC	LC	>280.	.	.		.	.	>280.	.	.

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2,4-D

CAS # 94-75-7 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	5.0	7.4	44
2	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	10.0	7.4	44
3	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	15.0	7.4	44
4	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	10.0	6.5	44
5	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	7.5	44
6	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	8.5	44
7	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	6.5	44
8	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	7.5	44
9	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	8.5	44
10	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	7.4	44
11	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	7.4	160
12	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	7.4	300
13	98.70% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	12.0	7.3	40
14	100.0% TECHNICAL MATERIAL	LAKE TROUT		0.70	5.0	7.4	44
15	100.0% TECHNICAL MATERIAL	LAKE TROUT		0.30	10.0	7.4	44
16	100.0% TECHNICAL MATERIAL	LAKE TROUT		0.70	15.0	7.4	44
17	100.0% TECHNICAL MATERIAL	LAKE TROUT		0.70	10.0	6.5	44
18	100.0% TECHNICAL MATERIAL	LAKE TROUT		0.90	10.0	7.5	44
19	100.0% TECHNICAL MATERIAL	LAKE TROUT		0.70	10.0	8.5	44
20	98.70% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	22.0	7.3	40
21	98.70% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	7.3	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	41.5	32.800	52.500		.	.	41.5	32.800	52.500
2	STATIC	LC	64.	57.300	71.500		.	.	64.	57.300	71.500
3	STATIC	LC	41.5	33.100	52.000		.	.	41.5	33.100	42.000
4	STATIC	LC	67.	57.500	78.000		.	.	67.	57.500	78.000
5	STATIC	LC	130.	100.000	170.000		.	.	130.	100.000	170.000
6	STATIC	LC	40.	30.700	52.100		.	.	40.	30.200	52.100
7	STATIC	LC	43.5	35.000	54.100		.	.	43.5	35.000	54.100
8	STATIC	LC	169.	146.000	195.000		.	.	169.	146.000	195.000
9	STATIC	LC	185.	165.000	207.000		.	.	172.	148.000	199.000
10	STATIC	LC	49.	40.400	59.400		.	.	44.	35.700	54.200
11	STATIC	LC	41.	32.400	51.900		.	.	37.	27.900	49.000
12	STATIC	LC	32.0	23.700	43.300		.	.	24.5	18.400	32.600
13	STATIC	LC		.	.		.	.	110.	77.000	157.000
14	STATIC	LC	65.7	47.200	91.400		.	.	65.7	47.200	91.400
15	STATIC	LC	44.5	35.300	56.100		.	.	44.5	35.300	56.100
16	STATIC	LC	64.	47.800	85.700		.	.	64.	47.800	85.700
17	STATIC	LC	63.	59.300	67.000		.	.	62.	54.000	71.200
18	STATIC	LC	105.	95.600	115.000		.	.	105.	95.600	115.000
19	STATIC	LC	127.5	110.000	149.000		.	.	120.	103.000	140.000
20	STATIC	LC		.	.		.	.	133.	103.000	171.000
21	STATIC	LC		.	.		.	.	180.	.	.

CAS # 1929-73-3 PRINCIPAL USE: HERBICIDE

2,4-D BUTOXYETHANOL ESTER
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	62.50% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	44
2	60.80% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	43
3	29.00% GRANULAR FORMULATION	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.3	42
4	62.50% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	EARLY INSTAR	.	21.0	7.4	272
5	62.50% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	EARLY INSTAR	.	15.0	7.4	272
6	62.50% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272
7	62.50% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	21.0	7.4	44
8	62.50% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	IMMATURE	.	21.0	7.4	44
9	62.50% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	IMMATURE	.	21.0	7.4	272
10	60.80% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	43
11	29.00% GRANULAR FORMULATION	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.2	42
12	62.50% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.4	44
13	60.80% LIQUID	CHANNEL CATFISH		0.40	22.0	7.3	43
14	29.00% GRANULAR FORMULATION	CHANNEL CATFISH		0.40	22.0	7.3	43
15	62.50% TECHNICAL MATERIAL	BLUEGILL		1.40	18.0	7.4	272
16	60.80% LIQUID	BLUEGILL		0.60	22.0	7.4	42
17	29.00% GRANULAR FORMULATION	BLUEGILL		0.60	22.0	7.4	42
18	62.50% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE		15.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	6400.	4490.000	9120.000		.	.
2	STATIC	EC		.	.	1700.	1100.000	3700.000		.	.
3	STATIC	EC		.	.	4300.	3400.000	5500.000		.	.
4	STATIC	EC		.	.	2200.	1460.000	3320.000		.	.
5	STATIC	LC	>3200.	.	.		.	.	2600.	1280.000	5260.000
6	STATIC	LC	10500.	5730.000	19200.000		.	.	6100.	4480.000	8300.000
7	STATIC	LC	1400.	1100.000	1800.000		.	.	440.	310.000	620.000
8	STATIC	LC	>1000.	.	.		.	.		560.000	1000.000
9	STATIC	LC	>10000	.	.		.	.	<1000.	.	.
10	STATIC	EC		.	.	790.	640.000	970.000		.	.
11	STATIC	EC		.	.	390.	250.000	580.000		.	.
12	STATIC	LC	3250.	2540.000	4160.000		.	.	3250.	2540.000	4160.000
13	STATIC	LC	780.	600.000	1010.000		.	.	780.	600.000	1010.000
14	STATIC	LC	1350.	1060.000	1730.000		.	.	1350.	1060.000	1730.000
15	STATIC	LC	1340.	1220.000	1470.000		.	.	1200.	1100.000	1310.000
16	STATIC	LC	760.	590.000	970.000		.	.	760.	590.000	970.000
17	STATIC	LC	760.	600.000	970.000		.	.	760.	600.000	970.000
18	STATIC	LC	>10000	.	.		.	.	>10000	.	.

CAS # 94-80-4 PRINCIPAL USE: HERBICIDE

2,4-D BUTYL ESTER
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.40% LIQUID	PTERONARCELLA BADIA	1ST YEAR CLASS	0.10	10.0	7.4	44
2	98.40% LIQUID	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	0.20	10.0	7.4	272
3	98.40% LIQUID	CUTTHROAT TROUT		0.50	10.0	7.4	44
4	98.40% LIQUID	CUTTHROAT TROUT		0.90	10.0	7.4	162
5	98.40% LIQUID	CUTTHROAT TROUT		1.00	10.0	7.4	44
6	98.40% LIQUID	CUTTHROAT TROUT		4.20	10.0	7.4	162
7	98.40% LIQUID	CUTTHROAT TROUT		0.50	5.0	7.4	44
8	98.40% LIQUID	CUTTHROAT TROUT		0.40	15.0	7.4	44
9	98.40% LIQUID	CUTTHROAT TROUT		0.30	10.0	6.5	44
10	98.40% LIQUID	CUTTHROAT TROUT		0.80	10.0	7.5	44
11	98.40% LIQUID	CUTTHROAT TROUT		0.30	10.0	8.5	44
12	98.40% LIQUID	CUTTHROAT TROUT		0.80	10.0	7.4	44
13	98.40% LIQUID	CUTTHROAT TROUT		0.80	10.0	7.8	170
14	98.40% LIQUID	CUTTHROAT TROUT		0.80	10.0	8.2	300
15	98.40% LIQUID	CUTTHROAT TROUT		0.90	10.0	7.4	44
16	98.40% LIQUID	CUTTHROAT TROUT		0.90	10.0	7.4	44
17	98.40% LIQUID	CUTTHROAT TROUT		0.90	10.0	7.4	44
18	98.40% LIQUID	CUTTHROAT TROUT		0.90	10.0	7.4	44
19	98.40% LIQUID	CUTTHROAT TROUT		0.90	10.0	7.4	44
20	98.40% LIQUID	LAKE TROUT		0.30	10.0	7.4	44
21	98.40% LIQUID	LAKE TROUT		0.40	5.0	7.4	44
22	98.40% LIQUID	LAKE TROUT		0.40	15.0	7.4	44
23	98.40% LIQUID	LAKE TROUT		0.50	10.0	6.5	44
24	98.40% LIQUID	LAKE TROUT		0.60	10.0	7.5	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	3100.	2420.000	3980.000		.	.	1480.	1160.000	1880.000
2	STATIC	LC	1300.	893.000	1890.000		.	.	1300.	893.000	1890.000
3	STATIC	LC	1215.	970.000	1520.000		.	.	770.	666.000	891.000
4	STATIC	LC	600.	512.000	702.000		.	.	600.	512.000	702.000
5	STATIC	LC	1000.	820.000	1200.000		.	.	540.	460.000	640.000
6	FLOW THROUGH	LC	740.	573.000	956.000		.	.	550.	497.000	631.000
7	STATIC	LC	780.	661.000	920.000		.	.	490.	397.000	606.000
8	STATIC	LC	770.	657.000	902.000		.	.	770.	657.000	902.000
9	STATIC	LC	870.	760.000	1000.000		.	.	750.	620.000	910.000
10	STATIC	LC	780.	640.000	950.000		.	.	740.	620.000	890.000
11	STATIC	LC	835.	710.000	980.000		.	.	835.	710.000	980.000
12	STATIC	LC	910.	770.000	1100.000		.	.	860.	740.000	1000.000
13	STATIC	LC	1000.	890.000	1100.000		.	.	860.	740.000	1000.000
14	STATIC	LC	910.	770.000	1100.000		.	.	860.	740.000	1000.000
15	0 DAY DEGRA	LC	770.	618.000	960.000		.	.	670.	485.000	925.000
16	7 DAY DEGRA	LC	1460.	894.000	1530.000		.	.	980.	732.000	1310.000
17	14 DAY DEGRA	LC	2120.	1560.000	2820.000		.	.	2120.	1560.000	2820.000
18	21 DAY DEGRA	LC	2130.	1570.000	2880.000		.	.	2130.	1570.000	2880.000
19	28 DAY DEGRA	LC	2820.	2090.000	3810.000		.	.	2820.	2090.000	3810.000
20	STATIC	LC	900.	763.000	1060.000		.	.	640.	569.000	720.000
21	STATIC	LC	1350.	1120.000	1630.000		.	.	600.	541.000	665.000
22	STATIC	LC	850.	756.000	955.000		.	.	820.	715.000	940.000
23	STATIC	LC	820.	715.000	940.000		.	.	820.	715.000	940.000
24	STATIC	LC	1100.	1010.000	1190.000		.	.	840.	753.000	937.000

2,4-D BUTYL ESTER
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	98.40% LIQUID	LAKE TROUT		0.50	10.0	8.5	44
26	98.40% LIQUID	LAKE TROUT		0.60	10.0	7.4	44
27	98.40% LIQUID	LAKE TROUT		0.70	10.0	7.8	170
28	98.40% LIQUID	LAKE TROUT		0.70	10.0	8.2	300
29	98.40% LIQUID	LAKE TROUT		1.20	10.0	7.4	44
30	98.40% LIQUID	LAKE TROUT		1.20	10.0	7.4	44
31	98.40% LIQUID	LAKE TROUT		1.20	10.0	7.4	44
32	98.40% LIQUID	LAKE TROUT		1.40	10.0	7.4	44
33	98.40% LIQUID	LAKE TROUT		1.50	10.0	7.4	162

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	1190.	1070.000	1320.000		.	.	1170.	912.000	1500.000
26	STATIC	LC	1125.	1030.000	1230.000		.	.	880.	792.000	978.000
27	STATIC	LC	1650.	1430.000	1900.000		.	.	930.	814.000	1060.000
28	STATIC	LC	1200.	1030.000	1400.000		.	.	1075.	960.000	1200.000
29	0 DAY DEGRA	LC	1400.	983.000	1990.000		.	.	720.	487.000	1060.000
30	7 DAY DEGRA	LC	1400.	983.000	1990.000		.	.	1340.	873.000	2060.000
31	14 DAY DEGRA	LC	1420.	934.000	2160.000		.	.	1420.	934.000	2160.000
32	21 DAY DEGRA	LC	2800.	1860.000	4220.000		.	.	2800.	1860.000	4220.000
33	FLOW THROUGH	LC		.	.		.	.	500.	407.000	614.000

BEST COPY AVAILABLE

CAS # 2008-39-1   PRINCIPAL USE: HERBICIDE

2,4-D DIMETHYLAMINE SALT
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	49.60% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
2	49.60% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.2	39
3	49.60% LIQUID	CYPRIDOPSIS VIDUA	EARLY INSTAR	.	21.0	7.4	272
4	49.60% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272
5	49.60% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.2	39
6	49.60% LIQUID	CHINOOK SALMON		0.30	10.0	7.4	44
7	49.60% LIQUID	CHINOOK SALMON		0.40	10.0	7.4	44
8	49.60% LIQUID	CHINOOK SALMON		1.00	10.0	7.4	44
9	49.60% LIQUID	RAINBOW TROUT		0.10	10.0	7.4	44
10	49.60% LIQUID	RAINBOW TROUT		0.20	10.0	7.4	272
11	49.60% LIQUID	RAINBOW TROUT		1.40	10.0	7.4	44
12	49.60% LIQUID	RAINBOW TROUT		1.40	15.0	7.4	44
13	49.60% LIQUID	FATHEAD MINNOW		0.80	17.0	7.4	44
14	49.60% LIQUID	FATHEAD MINNOW		0.60	20.0	7.4	44
15	49.60% LIQUID	FATHEAD MINNOW		0.80	20.0	6.5	44
16	49.60% LIQUID	FATHEAD MINNOW		0.80	20.0	7.5	44
17	49.60% LIQUID	FATHEAD MINNOW		0.80	20.0	8.5	44
18	49.60% LIQUID	FATHEAD MINNOW		1.30	20.0	6.5	44
19	49.60% LIQUID	FATHEAD MINNOW		1.30	20.0	7.5	44
20	49.60% LIQUID	FATHEAD MINNOW		1.30	20.0	8.5	44
21	49.60% LIQUID	FATHEAD MINNOW		0.90	20.0	7.4	12
22	49.60% LIQUID	FATHEAD MINNOW		0.90	20.0	7.4	44
23	49.60% LIQUID	FATHEAD MINNOW		0.90	20.0	7.4	138
24	49.60% LIQUID	FATHEAD MINNOW		0.90	20.0	7.4	258

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC	13.0	7.090	23.800	4.	3.400	4.900		.	.
2	STATIC	EC		.	.	>100.	.	.		.	.
3	STATIC	EC		.	.	8.	5.900	10.800		.	.
4	STATIC	LC	>100.	.	.		.	.	>100.	.	.
5	STATIC	EC		.	.	>100.	.	.		.	.
6	STATIC	LC	>100.	.	.		.	.	>100.	.	.
7	STATIC	LC	>100.	.	.		.	.	>100.	.	.
8	STATIC	LC	>100.	.	.		.	.	>100.	.	.
9	STATIC	LC	560.	477.000	657.000		.	.	420.	328.000	537.000
10	STATIC	LC	>100.	.	.		.	.	>100.	.	.
11	STATIC	LC	>100.	.	.		.	.	>100.	.	.
12	STATIC	LC	>100.	.	.		.	.	>100.	.	.
13	STATIC	LC	389.	190.000	793.000		.	.	335.	245.000	458.000
14	STATIC	LC	780.	615.000	988.000		.	.	760.	595.000	970.000
15	STATIC	LC	440.	355.000	546.000		.	.	440.	355.000	546.000
16	STATIC	LC	800.	637.000	1005.000		.	.	760.	595.000	970.000
17	STATIC	LC	760.	595.000	970.000		.	.	740.	583.000	939.000
18	STATIC	LC	300.	252.000	356.000		.	.	266.	216.000	321.000
19	STATIC	LC	690.	555.000	851.000		.	.	630.	522.000	761.000
20	STATIC	LC	1000.	846.000	1180.000		.	.	630.	522.000	760.000
21	STATIC	LC	450.	361.000	560.000		.	.	285.	236.000	344.000
22	STATIC	LC	1000.	852.000	1178.000		.	.	760.	595.000	970.000
23	STATIC	LC	1320.	1036.000	1682.000		.	.	800.	637.000	1005.000
24	STATIC	LC	1120.	923.000	1359.000		.	.	800.	32.000	1012.000

2,4-D DIMETHYLAMINE SALT
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	49.60% LIQUID	FATHEAD MINNOW		0.80	15.0	7.4	44
26	49.60% LIQUID	FATHEAD MINNOW		0.80	15.0	7.4	44
27	49.60% LIQUID	FATHEAD MINNOW		0.80	15.0	7.4	44
28	49.60% LIQUID	FATHEAD MINNOW		0.80	15.0	7.4	44
29	49.60% LIQUID	FATHEAD MINNOW	EGG	.	10.0	7.4	44
30	49.60% LIQUID	FATHEAD MINNOW	EYED EGG	.	10.0	7.4	44
31	49.60% LIQUID	FATHEAD MINNOW	FINGERLING	.	15.0	7.4	44
32	49.60% LIQUID	FATHEAD MINNOW	FINGERLING	.	20.0	7.4	44
33	49.60% LIQUID	FATHEAD MINNOW	FINGERLING	.	25.0	7.4	44
34	49.60% LIQUID	FATHEAD MINNOW	FINGERLING	.	10.0	7.4	44
35	49.60% LIQUID	FATHEAD MINNOW	SWIMUP FRY	.	10.0	7.4	44
36	49.60% LIQUID	FATHEAD MINNOW	YOLK-SAC FRY	.	10.0	7.4	44
37	49.60% LIQUID	CHANNEL CATFISH		1.80	18.0	7.4	44
38	49.60% LIQUID	CHANNEL CATFISH		1.10	18.0	7.4	272
39	49.60% LIQUID	CHANNEL CATFISH		0.20	20.0	7.4	44
40	49.60% LIQUID	CHANNEL CATFISH		0.80	20.0	7.4	44
41	49.60% LIQUID	CHANNEL CATFISH		1.90	18.0	7.4	44
42	49.60% LIQUID	CHANNEL CATFISH		0.40	22.0	7.2	43
43	49.60% LIQUID	BLUEGILL		0.70	18.0	7.4	44
44	49.60% LIQUID	BLUEGILL		1.10	18.0	7.4	272
45	49.60% LIQUID	BLUEGILL		1.10	18.0	7.4	44
46	49.60% LIQUID	BLUEGILL		0.20	20.0	7.4	44
47	49.60% LIQUID	BLUEGILL		1.00	15.0	7.4	44
48	49.60% LIQUID	BLUEGILL		1.00	20.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
25	0 DAY DEGRA	LC	760.	595.000	970.000		.	.	760.	595.000	970.000
26	7 DAY DEGRA	LC	760.	595.000	970.000		.	.	760.	595.000	970.000
27	14 DAY DEGRA	LC	630.	520.000	763.000		.	.	590.	495.000	703.000
28	21 DAY DEGRA	LC	630.	520.000	763.000		.	.	590.	495.000	703.000
29	STATIC	LC	6700.	5430.000	8270.000		.	.	1530.	1070.000	2190.000
30	STATIC	LC	2350.	1820.000	3040.000		.	.	1450.	1160.000	1810.000
31	STATIC	LC	760.	598.000	966.000		.	.	700.	561.000	873.000
32	STATIC	LC	740.	495.000	1106.000		.	.	740.	495.000	1106.000
33	STATIC	LC	740.	583.000	939.000		.	.	630.	520.000	763.000
34	STATIC	LC	495.	381.000	644.000		.	.	320.	240.000	425.000
35	STATIC	LC	590.	495.000	703.000		.	.	425.	334.000	541.000
36	STATIC	LC	1330.	1040.000	1700.000		.	.	630.	520.000	763.000
37	STATIC	LC	>160.	.	.		.	.	>160.	.	.
38	STATIC	LC	>160.	.	.		.	.	>160.	.	.
39	STATIC	LC	560.	481.000	652.000		.	.	395.	316.000	493.000
40	STATIC	LC	>100.	.	.		.	.	>100.	.	.
41	STATIC	LC	210.	192.000	230.000		.	.	155.	142.000	169.000
42	STATIC	LC		.	.		.	.	119.	109.000	130.000
43	STATIC	LC	262.	89.000	7690.000		.	.	177.	156.000	199.000
44	STATIC	LC	>120.	.	.		.	.	>120.	.	.
45	STATIC	LC	>120.	.	.		.	.	>120.	.	.
46	STATIC	LC	420.	328.000	537.000		.	.	335.	281.000	399.000
47	STATIC	LC	>100.	.	.		.	.	>100.	.	.
48	STATIC	LC	>100.	.	.		.	.	>100.	.	.

BEST COPY AVAILABLE

2,4-D DIMETHYLAMINE SALT
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	49.60% LIQUID	BLUEGILL		1.00	25.0	7.4	44
50	49.60% LIQUID	BLUEGILL		1.10	18.0	7.4	44
51	49.60% LIQUID	SMALLMOUTH BASS		0.40	10.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
49	STATIC	LC	>100.	.	.		.	.	>100.	.	.
50	STATIC	LC	379.	346.000	4150.000		.	.	168.	123.000	230.000
51	STATIC	LC	242.	174.000	336.000		.	.	236.	185.000	300.000

CAS #   PRINCIPAL USE: HERBICIDE

2,4-D DODECYL/TETRADODECYL AMINE SALT
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	63.40% LIQUID	CHIRONOMUS PLUMOSUS	1ST INSTAR	.	10.0	7.4	272
2	63.40% LIQUID	CHINOOK SALMON	FINGERLING	1.00	10.0	7.4	44
3	63.40% LIQUID	CHINOOK SALMON	SWIMUP FRY	0.50	10.0	7.4	44
4	63.40% LIQUID	CHINOOK SALMON	YOLK-SAC FRY	0.30	10.0	7.4	44
5	63.40% LIQUID	RAINBOW TROUT		1.40	10.0	7.4	44
6	63.40% LIQUID	RAINBOW TROUT		1.40	15.0	7.4	44
7	63.40% LIQUID	RAINBOW TROUT		0.30	10.0	7.4	44
8	63.40% LIQUID	RAINBOW TROUT		0.20	10.0	7.4	272
9	63.40% LIQUID	RAINBOW TROUT	EYED EGG	.	10.0	7.4	44
10	63.40% LIQUID	RAINBOW TROUT	FINGERLING	0.20	10.0	7.4	44
11	63.40% LIQUID	RAINBOW TROUT	SWIMUP FRY	0.10	10.0	7.4	44
12	63.40% LIQUID	RAINBOW TROUT	YOLK-SAC FRY	.	10.0	7.4	44
13	63.40% LIQUID	FATHEAD MINNOW		0.60	20.0	7.4	44
14	63.40% LIQUID	FATHEAD MINNOW		0.90	15.0	7.4	44
15	63.40% LIQUID	FATHEAD MINNOW		0.90	20.0	7.4	44
16	63.40% LIQUID	FATHEAD MINNOW		1.30	20.0	6.5	44
17	63.40% LIQUID	FATHEAD MINNOW		1.30	20.0	7.5	44
18	63.40% LIQUID	FATHEAD MINNOW		1.30	20.0	8.5	44
19	63.40% LIQUID	FATHEAD MINNOW		0.80	20.0	6.5	44
20	63.40% LIQUID	FATHEAD MINNOW		0.80	20.0	7.5	44
21	63.40% LIQUID	FATHEAD MINNOW		0.80	20.0	8.5	44
22	63.40% LIQUID	FATHEAD MINNOW		0.90	20.0	6.6	12
23	63.40% LIQUID	FATHEAD MINNOW		0.90	20.0	7.4	44
24	63.40% LIQUID	FATHEAD MINNOW		0.90	20.0	7.8	170

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	FLOW THROUGH	LC	2000.	.	.		.	.	2000.	.	.
2	STATIC	LC	9900.	7380.000	13300.000		.	.	4800.	3950.000	5840.000
3	STATIC	LC	15400.	12100.000	19600.000		.	.		.	.
4	STATIC	LC	5000.	3900.000	6400.000		.	.	2900.	2140.000	3920.000
5	STATIC	LC	3350.	2600.000	4310.000		.	.	3050.	2170.000	4300.000
6	STATIC	LC	5700.	4780.000	6800.000		.	.	5700.	4780.000	6800.000
7	STATIC	LC	3600.	2461.000	5266.000		.	.	2650.	2007.000	3499.000
8	FLOW THROUGH	LC	2000.	.	.		.	.	980.	902.000	1070.000
9	STATIC	LC	164000	116000.000	231000.000		.	.	47000.	30200.000	73100.000
10	STATIC	LC	7600.	6320.000	9130.000		.	.	3200.	2450.000	4180.000
11	STATIC	LC	3600.	2960.000	4380.000		.	.	1350.	1060.000	1720.000
12	STATIC	LC	9500.	8390.000	10800.000		.	.	7600.	5960.000	9700.000
13	STATIC	LC	4900.	3559.000	6746.000		.	.	4000.	2689.000	5950.000
14	STATIC	LC	7600.	5440.000	10600.000		.	.	4800.	3300.000	6990.000
15	STATIC	LC	4000.	2670.000	6000.000		.	.	2700.	1830.000	3980.000
16	STATIC	LC	11300.	9280.000	13800.000		.	.	7900.	6300.000	9900.000
17	STATIC	LC	4450.	3531.000	5609.000		.	.	3900.	3150.000	4840.000
18	STATIC	LC	2020.	1650.000	2470.000		.	.	1900.	1350.000	2670.000
19	STATIC	LC	12500.	8490.000	18400.000		.	.	8400.	5330.000	13200.000
20	STATIC	LC	2350.	1850.000	2990.000		.	.	2350.	1850.000	2990.000
21	STATIC	LC	2350.	1850.000	2990.000		.	.	2350.	1850.000	2990.000
22	STATIC	LC	2020.	1660.000	2460.000		.	.	1900.	1590.000	2270.000
23	STATIC	LC	2360.	1860.000	3000.000		.	.	2360.	1860.000	3000.000
24	STATIC	LC	2200.	1760.000	2740.000		.	.	2200.	1760.000	2740.000

BEST COPY AVAILABLE

2,4-D DODECYL/TETRADODECYL AMINE SALT
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	63.40% LIQUID	FATHEAD MINNOW		0.90	20.0	8.2	300
26	63.40% LIQUID	FATHEAD MINNOW		0.80	15.0	7.4	40
27	63.40% LIQUID	FATHEAD MINNOW		0.80	15.0	7.4	40
28	63.40% LIQUID	FATHEAD MINNOW		0.80	15.0	7.4	40
29	63.40% LIQUID	FATHEAD MINNOW		0.80	15.0	7.4	40
30	63.40% LIQUID	FATHEAD MINNOW		0.50	20.0	7.4	272
31	63.40% LIQUID	CHANNEL CATFISH		0.20	20.0	7.4	44
32	63.40% LIQUID	CHANNEL CATFISH		0.80	20.0	7.4	44
33	63.40% LIQUID	BLUEGILL		0.20	20.0	7.4	44
34	63.40% LIQUID	BLUEGILL		1.00	25.0	7.4	44
35	63.40% LIQUID	BLUEGILL		1.40	20.0	7.4	44
36	63.40% LIQUID	BLUEGILL		1.00	15.0	7.4	44
37	63.40% LIQUID	BLUEGILL		1.50	20.0	7.4	272
38	63.40% LIQUID	SMALLMOUTH BASS		0.40	20.0	7.4	44
39	63.40% LIQUID	SMALLMOUTH BASS		0.40	10.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
25	STATIC	LC	4000.	3200.000	5000.000		.	.	4000.	3200.000	5000.000
26	0 DAY DEGRA	LC	13200.	10400.000	16800.000		.	.	9100.	6550.000	12600.000
27	7 DAY DEGRA	LC	4750.	3630.000	6220.000		.	.	2200.	1440.000	3470.000
28	14 DAY DEGRA	LC	7000.	5400.000	9080.000		.	.	4100.	3060.000	5500.000
29	21 DAY DEGRA	LC	7600.	5980.000	9670.000		.	.	5600.	4080.000	7680.000
30	FLOW THROUGH	LC	5900.	5270.000	6600.000		.	.	3600.	3240.000	4020.000
31	STATIC	LC	4900.	3600.000	6680.000		.	.	2020.	1650.000	2470.000
32	STATIC	LC	11500.	8680.000	15200.000		.	.	7000.	5610.000	8730.000
33	STATIC	LC	4700.	3570.000	6100.000		.	.	3200.	2260.000	4530.000
34	STATIC	LC	14500.	12500.000	16900.000		.	.	12700.	10500.000	15400.000
35	STATIC	LC	7500.	6180.000	9100.000		.	.	7400.	6110.000	8970.000
36	STATIC	LC	12500.	10800.000	14400.000		.	.	8400.	6770.000	10400.000
37	FLOW THROUGH	LC	8600.	6740.000	11000.000		.	.	4600.	4210.000	5030.000
38	STATIC	LC	2300.	1950.000	2710.000		.	.	1050.	623.000	1660.000
39	STATIC	LC	8700.	6200.000	12200.000		.	.	3100.	2570.000	3740.000

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                                                                                    2,4-D ISOOCTYL ESTER
   CAS # 25168-26-7    PRINCIPAL USE:  HERBICIDE                                           MEASURED IN UG /L

                       CHEMICAL                                                                                       DEG.  HARDNESS
OBS                  DESCRIPTION                          SPECIES              SIZE          WEIGHT                   CENT. PH  MG/L

  1  67.00% LIQUID                               GAMMARUS FASCIATUS          IMMATURE                                 21.0  7.4    44




OBS   __ TEST TYPE __            ___ 24 HOUR ___                     ___ 48 HOUR ___                    ___ 96 HOUR ___
                                         CONFIDENCE INTERVAL                 CONFIDENCE INTERVAL                CONFIDENCE INTERVAL

  1  STATIC        LC            5600.    4200.000    7470.000                   .          .          2400.     1940.000    2970.000
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CAS # 29533-51-5   PRINCIPAL USE: HERBICIDE

2,4-D OLEYLPROPYLENEDIAMINE SALT
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	57.00% LIQUID	CHANNEL CATFISH		1.90	18.0	7.4	44
2	57.00% LIQUID	BLUEGILL		1.10	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	760.	639.000	905.000		.	.	310.	210.000	457.000
2	STATIC	LC	760.	642.000	900.000		.	.	760.	639.000	905.000

CAS # 1928-45-6   PRINCIPAL USE: HERBICIDE

2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
2	100.0% LIQUID	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.4	44
3	100.0% LIQUID	CYPRIDOPSIS VIDUA	EARLY INSTAR	.	21.0	7.4	44
4	100.0% LIQUID	ASELLUS BREVICAUDUS	EARLY INSTAR	.	15.0	7.4	272
5	100.0% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	44
6	100.0% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272
7	100.0% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.	21.0	7.4	44
8	100.0% LIQUID	PALAEMONETES KADIAKENSIS	IMMATURE	.	21.0	7.4	272
9	100.0% LIQUID	PTERONARCELLA BADIA	1ST YEAR CLASS	0.10	10.0	7.4	44
10	100.0% LIQUID	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.4	44
11	100.0% LIQUID	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	0.20	10.0	7.4	272
12	100.0% LIQUID	CUTTHROAT TROUT		0.50	12.0	7.4	44
13	100.0% LIQUID	CUTTHROAT TROUT		0.90	10.0	7.4	162
14	100.0% LIQUID	CUTTHROAT TROUT		1.00	10.0	7.4	44
15	100.0% LIQUID	CUTTHROAT TROUT		0.50	5.0	7.4	44
16	100.0% LIQUID	CUTTHROAT TROUT		0.40	15.0	7.4	44
17	100.0% LIQUID	CUTTHROAT TROUT		1.10	10.0	6.5	44
18	100.0% LIQUID	CUTTHROAT TROUT		0.80	10.0	7.5	44
19	100.0% LIQUID	CUTTHROAT TROUT		0.40	10.0	8.5	44
20	100.0% LIQUID	CUTTHROAT TROUT		0.80	10.0	7.8	170
21	100.0% LIQUID	CUTTHROAT TROUT		0.80	10.0	8.2	300
22	100.0% LIQUID	CUTTHROAT TROUT		0.30	10.0	7.4	44
23	100.0% LIQUID	CUTTHROAT TROUT		0.30	10.0	7.4	44
24	100.0% LIQUID	CUTTHROAT TROUT		0.30	10.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC	1220.	737.000	2020.000	100.	.	.		.	.
2	STATIC	EC		.	.	4900.	4000.000	6700.000		.	.
3	STATIC	EC		.	.	420.	254.000	695.000		.	.
4	STATIC	LC		5600.000	10000.000		.	.		.	.
5	STATIC	LC	5000.	3520.000	7100.000		.	.	2850.	1720.000	4730.000
6	STATIC	LC	4100.	2800.000	5800.000		.	.	2500.	1700.000	3700.000
7	STATIC	LC	2100.	1700.000	2500.000		.	.	1600.	1200.000	2100.000
8	STATIC	LC	2400.	983.000	5860.000		.	.	360.	93.000	1400.000
9	STATIC	LC	4500.	3190.000	6360.000		.	.	2430.	1860.000	3170.000
10	STATIC	LC	8000.	5030.000	12700.000		.	.	1800.	1340.000	2420.000
11	STATIC	LC	2600.	1770.000	3810.000		.	.	2600.	1770.000	3810.000
12	STATIC	LC	800.	721.000	888.000		.	.	610.0	529.000	703.000
13	STATIC	LC	670.	518.000	866.000		.	.	570.	471.000	689.000
14	STATIC	LC	1080.	940.000	1300.000		.	.	1030.	920.000	1200.000
15	STATIC	LC	870.	755.000	1000.000		.	.	490.	400.000	604.000
16	STATIC	LC	780.	663.000	918.000		.	.	780.	663.000	918.000
17	STATIC	LC	1060.	890.000	1300.000		.	.	930.	810.000	1400.000
18	STATIC	LC	1220.	1100.000	1400.000		.	.	1220.	1100.000	1400.000
19	STATIC	LC	1100.	930.000	1300.000		.	.	930.	820.000	1100.000
20	STATIC	LC	860.	740.000	1000.000		.	.	860.	740.000	1000.000
21	STATIC	LC	1000.	890.000	1100.000		.	.	990.	440.000	1300.000
22	0 DAY DEGRA	LC	825.	700.000	970.000		.	.	490.	350.000	680.000
23	7 DAY DEGRA	LC	1380.	1000.000	1800.000		.	.	1380.	1000.000	1800.000
24	14 DAY DEGRA	LC	1380.	1000.000	1900.000		.	.	1380.	1000.000	1900.000

2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	100.0% LIQUID	CUTTHROAT TROUT		0.30	10.0	7.4	44
26	100.0% LIQUID	CUTTHROAT TROUT		0.30	10.0	7.4	44
27	100.0% LIQUID	CUTTHROAT TROUT		4.20	10.0	7.4	162
28	100.0% LIQUID	RAINBOW TROUT		1.50	15.0	7.4	44
29	100.0% LIQUID	RAINBOW TROUT		1.00	15.0	7.4	272
30	100.0% LIQUID	LAKE TROUT		0.40	5.0	7.4	44
31	100.0% LIQUID	LAKE TROUT		0.30	10.0	7.4	44
32	100.0% LIQUID	LAKE TROUT		0.40	15.0	7.4	44
33	100.0% LIQUID	LAKE TROUT		0.50	10.0	6.5	44
34	100.0% LIQUID	LAKE TROUT		0.60	10.0	7.5	44
35	100.0% LIQUID	LAKE TROUT		0.50	10.0	8.5	44
36	100.0% LIQUID	LAKE TROUT		0.60	10.0	7.4	44
37	100.0% LIQUID	LAKE TROUT		0.60	10.0	7.8	170
38	100.0% LIQUID	LAKE TROUT		0.60	10.0	8.2	300
39	100.0% LIQUID	LAKE TROUT		1.20	10.0	7.4	44
40	100.0% LIQUID	LAKE TROUT		1.20	10.0	7.4	44
41	100.0% LIQUID	LAKE TROUT		1.20	10.0	7.4	44
42	100.0% LIQUID	LAKE TROUT		1.20	10.0	7.4	44
43	100.0% LIQUID	LAKE TROUT		1.50	10.0	7.4	162
44	100.0% LIQUID	BLUEGILL		1.00	18.0	7.4	44
45	100.0% LIQUID	BLUEGILL		1.00	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	21 DAY DEGRA	LC	2140.	1700.000	2700.000		.	.	1880.	1500.000	2300.000
26	28 DAY DEGRA	LC	2800.	2100.000	3700.000		.	.	2800.	2100.000	3700.000
27	FLOW THROUGH	LC	710.	573.000	880.000		.	.	330.	280.000	389.000
28	STATIC	LC	1180.	974.000	1430.000		.	.	950.	821.000	1100.000
29	STATIC	LC	1730.	1120.000	2680.000		.	.	1440.	1090.000	1900.000
30	STATIC	LC	1500.	.	.		.	.	700.	631.000	777.000
31	STATIC	LC	1075.	859.000	1350.000		.	.	630.	542.000	733.000
32	STATIC	LC	1300.	990.000	1710.000		.	.	1000.	824.000	1210.000
33	STATIC	LC	1200.	886.000	1620.000		.	.	840.	753.000	937.000
34	STATIC	LC	1325.	1120.000	1570.000		.	.	1125.	1030.000	1230.000
35	STATIC	LC	1175.	1020.000	1360.000		.	.	1075.	946.000	1220.000
36	STATIC	LC	1300.	1100.000	1540.000		.	.	1050.	946.000	1170.000
37	STATIC	LC	1575.	1370.000	1810.000		.	.	1200.	1040.000	1390.000
38	STATIC	LC	1500.	1340.000	1680.000		.	.	1150.	1000.000	1320.000
39	0 DAY DEGRA	LC	1340.	868.000	2070.000		.	.	1070.	783.000	1460.000
40	7 DAY DEGRA	LC	1420.	997.000	2020.000		.	.	1420.	997.000	2020.000
41	14 DAY DEGRA	LC	2130.	1570.000	2880.000		.	.	1530.	1050.000	2220.000
42	21 DAY DEGRA	LC	2930.	1950.000	4400.000		.	.	2930.	1950.000	4400.000
43	FLOW THROUGH	LC	1300.	989.000	1710.000		.	.	390.	334.000	456.000
44	STATIC	LC	500.	431.000	580.000		.	.	560.	447.000	700.000
45	STATIC	LC	890.	802.000	987.000		.	.	670.	609.000	737.000

CAS #   PRINCIPAL USE: HERBICIDE   2,4-D/2,4,5-T 24%/28%
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	52.50% LIQUID	RAINBOW TROUT		1.00	12.0	7.4	44
2	53.30% LIQUID	CHANNEL CATFISH		1.50	18.0	7.4	44
3	53.30% LIQUID	BLUEGILL		1.30	18.0	7.4	44
4	52.50% LIQUID	BLUEGILL		1.10	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	79.	70.000	89.200		.	.	51.	38.400	67.700
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	>100.	.	.		.	.	40.9	32.200	51.900

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                                                                              2,4-D/2,4,5-T 30%/28%
     CAS #               PRINCIPAL USE:  HERBICIDE                                     MEASURED IN MG /L

                      CHEMICAL                                                                                DEG.  HARDNESS
 OBS                 DESCRIPTION                      SPECIES            SIZE       WEIGHT                    CENT. PH  MG/L

   1  58.20% LIQUID                        RAINBOW TROUT                             1.00                     12.0  7.4     44
   2  58.20% LIQUID                        BLUEGILL                                  1.10                     18.0  7.4     44
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       __ TEST TYPE __          ___ 24 HOUR ___                  ___ 48 HOUR ___                  ___ 96 HOUR ___
 OBS                                    CONFIDENCE INTERVAL              CONFIDENCE INTERVAL              CONFIDENCE INTERVAL

   1  STATIC        LC            43.      32.100     57.600                   .          .          24.     18.300     31.400
   2  STATIC        LC            37.9     29.800     48.400                   .          .          22.6    16.000     32.000
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CAS # PRINCIPAL USE: HERBICIDE

2,4-D/2.4,5-T 34%/17%
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	51.00% LIQUID	RAINBOW TROUT		1.00	12.0	7.4	44
2	51.00% LIQUID	BLUEGILL		1.10	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	160.	106.000	241.000		.	.		100.000	1000.000
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.

DALAPON

CAS # 75-99-0 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	75.60% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	75.60% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	75.60% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.1	44
4	75.60% TECHNICAL MATERIAL	BLUEGILL		1.00	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	11.0	8.200	14.700		.	.
2	STATIC	EC		.	.	16.0	11.400	22.400		.	.
3	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
4	STATIC	LC	115.	.	.		.	.	105.	.	.

2,4-DB

CAS # 94-82-6 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.4	44
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	44
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		2.60	12.0	7.4	44
4	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50	17.0	7.4	44
5	100.0% TECHNICAL MATERIAL	BLUEGILL		1.40	17.0	7.4	44
6	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	56.	50.000	63.000	44.	32.000	59.000	15.	10.000	22.000
2	STATIC	LC	8.60	6.190	11.800		.	.	1.97	1.220	3.170
3	STATIC	LC	14.40	11.100	18.700		.	.	6.20	4.980	7.710
4	STATIC	LC	32.00	22.300	45.900		.	.	18.0	13.000	25.000
5	STATIC	LC	16.80	10.150	27.800		.	.	7.48	5.350	10.500
6	STATIC	LC	20.0	17.300	23.100		.	.	8.6	7.210	10.300

DCPA

CAS # 1861-32-1 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	44
2	75.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	44
3	75.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	17.0	6.5	44
4	75.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	17.0	8.5	44
5	100.0% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	44
6	75.00% WETTABLE POWDER	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	44
7	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44
8	75.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44
9	75.00% WETTABLE POWDER	BLUEGILL		0.60	22.0	7.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	>100.	.	.		.	.
2	STATIC	EC		.	.	27.	20.000	35.000		.	.
3	STATIC	EC		.	.	30.	20.000	43.000		.	.
4	STATIC	EC		.	.	47.	28.000	80.000		.	.
5	STATIC	LC		.	.		.	.	>100.	.	.
6	STATIC	LC		.	.		.	.	6.2	3.400	11.300
7	STATIC	EC		.	.	>100.	.	.		.	.
8	STATIC	EC		.	.	>100.	.	.		.	.
9	STATIC	LC		.	.		.	.	>100.	.	.

CAS # 8003-19-8   PRINCIPAL USE: NEMATICIDE

D-D SOIL FUMIGANT
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	12.0	7.1	44
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.1	44
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.4	272
4	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.10	18.0	7.1	44
5	100.0% TECHNICAL MATERIAL	BLUEGILL		1.40	18.0	7.4	272
6	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	18.0	7.4	272
7	100.0% TECHNICAL MATERIAL	WALLEYE		1.30	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC		1.000	10.000		.	.		1.000	10.000
2	STATIC	LC	12.2	6.600	22.600		.	.	5.53	3.600	8.400
3	STATIC	LC	4.90	3.800	6.300		.	.	1.97	1.200	3.200
4	STATIC	LC	6.20	.	.		.	.	4.40	.	.
5	STATIC	LC	5.10	.	.		.	.	3.90	.	.
6	STATIC	LC	5.80	.	.		.	.	3.40	.	.
7	STATIC	LC	1.50	.	.		.	.	0.98	.	.

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DDD

CAS # 72-54-8 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	10.0	7.1	44
2	99.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.1	44
3	99.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
4	99.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
5	99.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
6	99.00% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.1	44
7	99.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	21.0	7.1	44
8	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
9	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	272
10	99.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.1	44
11	99.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
12	99.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	21.0	7.1	44
13	99.00% TECHNICAL MATERIAL	ISCHNURA VERTICALIS	LATE INSTAR	.	21.0	7.1	44
14	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.1	44
15	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	272
16	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	18.0	7.1	44
17	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	18.0	7.1	44
18	99.00% TECHNICAL MATERIAL	BLUEGILL		0.90	24.0	7.4	44
19	99.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70	18.0	7.1	44
20	99.00% TECHNICAL MATERIAL	WALLEYE		1.00	18.0	7.1	44
21	99.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	16.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	9.1	.	.		.	.
2	STATIC	EC		.	.	8.9	.	.		.	.
3	STATIC	EC		.	.	3.2	2.300	4.400		.	.
4	STATIC	EC		.	.	4.5	3.100	6.600		.	.
5	STATIC	EC		.	.	5.2	2.700	7.300		.	.
6	STATIC	EC		.	.	45.0	.	.		.	.
7	STATIC	LC	16.0	.	.		.	.	16.0	.	.
8	STATIC	LC	4.6	3.600	5.800		.	.	0.6	0.100	1.200
9	STATIC	LC	3.2	2.100	4.300		.	.	0.9	0.400	1.300
10	STATIC	LC	>10.0	.	.		.	.	2.4	.	.
11	STATIC	LC	>10.	.	.		.	.	0.7	.	.
12	STATIC	LC	3000.	2100.000	4300.000		.	.	380.	280.000	520.000
13	STATIC	LC	180.	.	.		.	.	34.0	.	.
14	STATIC	LC	70.	57.000	87.000		.	.	70.	57.000	87.000
15	STATIC	LC	70.	58.000	85.000		.	.	70.	58.000	85.000
16	STATIC	LC	8100.	6406.000	10242.000		.	.	4400.	3470.000	5580.000
17	STATIC	LC	13000.	7300.000	23100.000		.	.	1500.	1180.000	1910.000
18	STATIC	LC	56.	46.000	68.000		.	.	42.	36.000	49.000
19	STATIC	LC	50.	35.000	71.000		.	.	42.	34.000	51.000
20	STATIC	LC	20.	16.000	24.000		.	.	14.	11.000	19.000
21	STATIC	LC	709.	246.000	2050.000		.	.	140.	95.000	206.000

CAS # 72-55-9 PRINCIPAL USE: INSECTICIDE

DDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.1	44
2	99.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.50	12.0	7.5	44
3	99.00% TECHNICAL MATERIAL	BLUEGILL		0.90	17.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>87.	.	.		.	.	32.	26.000	40.000
2	STATIC	LC	>100.	.	.		.	.	96.0	52.100	177.000
3	STATIC	LC	>1600.	.	.		.	.	240.	201.000	286.000

DDT

CAS # 50-29-3 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	15.0	7.1	44
2	99.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
3	99.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
4	99.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
5	99.00% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.1	44
6	99.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	21.0	7.1	44
7	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	272
8	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
9	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	272
10	99.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
11	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	IMMATURE 1 DAY	.	21.0	7.4	272
12	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	IMMATURE 1 WK	.	21.0	7.4	272
13	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	IMMATURE 2 WK	.	21.0	7.4	272
14	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	IMMATURE 3 WK	.	21.0	7.4	272
15	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	IMMATURE 5 WK	.	21.0	7.4	272
16	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	IMMATURE 8 WK	.	21.0	7.4	272
17	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	MATURE	.	21.0	7.4	272
18	99.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
19	99.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
20	99.00% TECHNICAL MATERIAL	CLAASSENIA SABULOSA	2ND YEAR CLASS	.	15.0	7.1	44
21	99.00% TECHNICAL MATERIAL	ISOPERLA SP.	NAIAD	.	15.0	7.1	44
22	99.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	2ND YEAR CLASS	.	15.0	7.1	44
23	99.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
24	99.00% TECHNICAL MATERIAL	EPHEMERELLA SP.	LATE INSTAR	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	4.7	2.800	5.600		.	.
2	STATIC	EC		.	.	0.36	0.280	0.470		.	.
3	STATIC	EC		.	.	2.5	1.900	3.300		.	.
4	STATIC	EC		.	.	2.8	2.300	3.500		.	.
5	STATIC	LC	130.	.	.	15.	.	.		.	.
6	STATIC	LC	8.7	4.900	13.000		.	.	4.0	1.200	6.500
7	FLOW THROUGH	LC	1.1	0.600	3.200		.	.	0.8	0.400	1.200
8	STATIC	LC	15.	9.000	20.000		.	.	3.2	1.800	5.600
9	STATIC	LC	4.2	1.800	5.600		.	.	1.8	1.000	3.100
10	STATIC	LC	4.7	3.200	7.000		.	.	1.0	0.680	1.500
11	STATIC	LC	1.4	1.100	4.200		.	.	0.30	0.180	0.500
12	STATIC	LC	1.0	0.600	5.000		.	.	0.18	0.120	0.300
13	STATIC	LC	1.2	0.900	5.500		.	.	0.20	0.160	1.100
14	STATIC	LC	1.0	0.600	5.000		.	.	0.24	0.100	0.600
15	STATIC	LC	3.2	1.800	8.000		.	.	0.90	0.700	1.400
16	STATIC	LC	45.	40.000	52.000		.	.	28.	24.000	36.000
17	STATIC	LC	1100.	1000.000	1400.000		.	.	100.	80.000	120.000
18	FLOW THROUGH	LC	9.4	.	.		.	.	3.5	.	.
19	STATIC	LC	6.8	6.200	7.500		.	.	2.3	1.300	4.900
20	STATIC	LC	16.0	12.000	20.000		.	.	3.5	2.900	4.200
21	STATIC	LC	6.7	2.800	18.000		.	.	1.2	0.300	4.900
22	STATIC	LC	12.0	8.800	16.000		.	.	1.9	1.300	2.700
23	STATIC	LC	41.0	27.000	62.000		.	.	7.0	4.900	9.900
24	STATIC	LC	18.0	.	.		.	.	1.2		.

DDT

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	99.00% TECHNICAL MATERIAL	HEXAGENIA BILINEATA	LATE INSTAR	.	15.0	7.1	44
26	99.00% TECHNICAL MATERIAL	OPHIOGOMPHUS SP.	LATE INSTAR	.	15.0	7.1	44
27	99.00% TECHNICAL MATERIAL	CHAOBORUS SP.	LATE INSTAR	.	15.0	7.1	44
28	99.00% TECHNICAL MATERIAL	ATHERIX VARIEGATA	LATE INSTAR	.	15.0	7.1	44
29	99.00% TECHNICAL MATERIAL	PENTANEURA SP.	LATE INSTAR	.	21.0	7.1	44
30	99.00% TECHNICAL MATERIAL	TIPULA SP.	LATE INSTAR	.	15.0	7.1	44
31	99.00% TECHNICAL MATERIAL	COHO SALMON		1.00	13.0	7.1	44
32	99.00% TECHNICAL MATERIAL	COHO SALMON		6.00	13.0	7.1	40
33	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.1	44
34	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.80	9.0	7.4	162
35	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.1	44
36	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.4	272
37	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	7.0	7.1	44
38	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	13.0	7.1	44
39	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	18.0	7.1	44
40	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.80	17.0	7.4	272
41	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	40
42	99.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.45	12.0	7.5	40
43	99.00% TECHNICAL MATERIAL	BROWN TROUT		1.70	13.0	7.1	44
44	99.00% TECHNICAL MATERIAL	NORTHERN PIKE		0.70	18.0	7.4	272
45	99.00% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.1	44
46	99.00% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.4	272
47	99.00% TECHNICAL MATERIAL	CARP		0.60	18.0	7.1	44
48	99.00% TECHNICAL MATERIAL	RIVER SHINER		0.30	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	>1800.	.	.		.	.	1000.	.	.
26	STATIC	LC	160.	.	.		.	.	32.	.	.
27	STATIC	LC	70.	.	.		.	.	7.4	.	.
28	STATIC	LC	84.	.	.		.	.	17.	.	.
29	STATIC	LC	41.	.	.		.	.	1.5	.	.
30	STATIC	LC		.	.		.	.	1.6	.	.
31	STATIC	LC	10.0	7.000	12.000		.	.	4.0	3.000	6.000
32	STATIC	LC	26.9	18.100	40.000		.	.	19.3	9.600	38.800
33	STATIC	LC	8.4	7.600	9.200		.	.	5.5	4.700	6.400
34	STATIC	LC	11.3	9.400	13.600		.	.	7.9	6.500	9.700
35	STATIC	LC	10.0	6.700	15.300		.	.	8.7	6.800	11.400
36	STATIC	LC	9.0	7.000	11.600		.	.	7.6	5.900	9.900
37	STATIC	LC	7.5	6.700	8.300		.	.	4.1	3.600	4.600
38	STATIC	LC	8.2	7.200	9.200		.	.	4.7	4.200	5.300
39	STATIC	LC	12.0	11.000	13.000		.	.	5.8	5.200	6.500
40	FLOW THROUGH	LC	>3.0	.	.		.	.	>3.0	.	.
41	STATIC	LC	14.8	11.800	18.500		.	.	11.4	8.400	15.600
42	STATIC	LC	6.2	4.600	8.400		.	.	1.8	1.300	2.600
43	STATIC	LC	>6.5	.	.		.	.	1.8	1.300	2.500
44	STATIC	LC	5.5	.	.		.	.	2.7	.	.
45	STATIC	LC	24.0	17.000	33.000		.	.	15.5	9.100	26.000
46	STATIC	LC	22.2	16.000	31.100		.	.	14.7	10.000	20.000
47	STATIC	LC	14.0	10.000	19.000		.	.	9.7	7.400	12.900
48	STATIC	LC	6.7	4.900	9.100		.	.	5.8	3.600	9.100

DDT

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.1	44
50	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.4	272
51	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	12.0	7.6	314
52	99.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	18.0	7.1	44
53	99.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	18.0	7.4	272
54	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.1	44
55	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.4	272
56	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	18.0	7.1	44
57	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.60	18.0	7.1	44
58	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.1	44
59	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.7	272
60	99.00% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.1	44
61	99.00% TECHNICAL MATERIAL	GREEN SUNFISH		0.80	18.0	7.1	44
62	99.00% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.7	272
63	99.00% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.1	44
64	99.00% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.4	272
65	99.00% TECHNICAL MATERIAL	BLUEGILL		1.30	7.0	7.1	44
66	99.00% TECHNICAL MATERIAL	BLUEGILL		1.30	13.0	7.1	44
67	99.00% TECHNICAL MATERIAL	BLUEGILL		1.30	18.0	7.1	44
68	99.00% TECHNICAL MATERIAL	BLUEGILL		1.30	24.0	7.1	44
69	99.00% TECHNICAL MATERIAL	BLUEGILL		1.30	29.0	7.1	44
70	99.00% TECHNICAL MATERIAL	REDEAR SUNFISH		3.20	24.0	7.1	44
71	99.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.1	44
72	99.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
49	STATIC	LC	14.2	11.000	18.000		.	.	12.4	10.000	15.400
50	STATIC	LC	13.8	10.300	18.300		.	.	13.2	10.100	17.300
51	FLOW THROUGH	LC	>20.0	.	.		.	.	9.9	6.500	15.000
52	STATIC	LC	36.8	20.300	67.000		.	.	4.8	3.400	6.800
53	STATIC	LC	26.2	22.000	31.300		.	.	5.1	3.900	6.700
54	STATIC	LC	22.0	18.200	26.500		.	.	21.5	17.700	26.100
55	STATIC	LC	18.4	13.700	24.700		.	.	17.3	13.000	23.100
56	STATIC	LC	17.9	12.700	25.300		.	.	6.9	5.700	8.500
57	STATIC	LC	44.	37.000	52.000		.	.	22.	19.000	26.000
58	STATIC	LC	30.	22.000	41.000		.	.	16.	9.400	29.000
59	STATIC	LC	29.	20.000	41.000		.	.	7.0	4.300	11.000
60	STATIC	LC	16.9	12.700	22.300		.	.	10.9	7.300	15.600
61	STATIC	LC	18.	13.000	24.000		.	.	6.5	4.100	10.400
62	STATIC	LC	19.8	15.000	25.600		.	.	9.9	6.400	15.000
63	STATIC	LC	11.5	8.400	16.000		.	.	8.6	6.200	12.000
64	STATIC	LC	10.0	8.500	12.900		.	.	6.3	4.300	9.300
65	STATIC	LC	14.0	9.300	21.000		.	.	1.6	1.300	2.000
66	STATIC	LC	5.5	4.400	6.800		.	.	2.1	1.400	2.400
67	STATIC	LC	7.4	6.500	8.400		.	.	4.3	3.700	5.000
68	STATIC	LC	10.0	8.100	12.000		.	.	5.8	4.900	6.800
69	STATIC	LC	9.0	7.600	11.000		.	.	5.6	4.700	6.700
70	STATIC	LC	19.0	.	.		.	.	15.0	.	.
71	STATIC	LC	3.7	3.100	4.500		.	.	1.5	0.900	2.400
72	STATIC	LC	2.1	1.600	2.900		.	.	1.5	0.500	2.400

DDT

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
73	99.00% TECHNICAL MATERIAL	BLACK CRAPPIE		1.00	18.0	7.1	44
74	99.00% TECHNICAL MATERIAL	YELLOW PERCH		1.40	18.0	7.1	44
75	99.00% TECHNICAL MATERIAL	WALLEYE		1.40	18.0	7.1	44
76	99.00% TECHNICAL MATERIAL	WALLEYE		1.30	18.0	7.4	272
77	99.00% TECHNICAL MATERIAL	TILAPIA		0.80	24.0	7.1	44
78	99.00% TECHNICAL MATERIAL	TILAPIA		0.80	24.0	7.4	272
79	99.00% TECHNICAL MATERIAL	TILAPIA		0.80	18.0	7.4	272
80	99.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE 1 WK	.	16.0	7.1	44
81	99.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE 2-3WK	.	16.0	7.1	44
82	99.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE 4-5WK	.	16.0	7.1	44
83	99.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE 6 WK	.	16.0	7.1	44
84	99.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE 7 WK	.	16.0	7.1	44
85	99.00% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE 1 WK	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
73	STATIC	LC	6.5	5.400	7.800		.	.	5.6	4.600	6.700
74	STATIC	LC	10.0	8.000	12.000		.	.	9.0	7.000	11.000
75	STATIC	LC	4.2	3.200	5.600		.	.	2.9	2.400	3.500
76	STATIC	LC	4.6	3.900	5.400		.	.	4.6	3.900	5.400
77	STATIC	LC	19.0	16.000	23.000		.	.	17.0	14.000	21.000
78	STATIC	LC	15.0	13.000	17.000		.	.	14.00	12.000	16.000
79	FLOW THROUGH	LC	24.	17.000	32.000		.	.	5.1	3.200	8.100
80	STATIC	LC	5300.	2960.000	9900.000		.	.	750.	280.000	2000.000
81	STATIC	LC	5400.	2900.000	10000.000		.	.		.	.
82	STATIC	LC	2400.	730.000	8000.000		.	.	1000.	200.000	3600.000
83	STATIC	LC	2200.	500.000	15000.000		.	.	100.	20.000	600.000
84	STATIC	LC	1400.	900.000	2000.000		.	.	30.	6.000	400.000
85	STATIC	LC	1400.	900.000	2800.000		.	.	800.	500.000	2300.000

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CAS # PRINCIPAL USE: HERBICIDE DEAD-X MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	100.0% COMMERCIAL FORMULATION	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	100.0% COMMERCIAL FORMULATION	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
4	100.0% COMMERCIAL FORMULATION	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
5	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		2.60	13.0	7.4	44
6	100.0% COMMERCIAL FORMULATION	BLUEGILL		1.00	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.	3.7	3.300	4.200		.	.
2	STATIC	LC		.	.	7.6	4.800	12.000		.	.
3	STATIC	LC	7.0	5.600	8.800		.	.	0.8	0.500	1.300
4	STATIC	LC	11.0	8.000	15.000		.	.	2.3	1.800	2.900
5	STATIC	LC	10.0	.	.		.	.	8.8	.	.
6	STATIC	LC	14.0	.	.		.	.	9.2	.	.

CAS # 134-62-3   PRINCIPAL USE: INSECT REPELLANT   DEET   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.

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DEF

CAS # 78-48-8 PRINCIPAL USE: DEFOLIANT MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.2	44
2	95.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
3	95.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.2	44
4	95.00% TECHNICAL MATERIAL	ORCONECTES NAIS	MATURE	.	22.0	7.2	44
5	95.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
6	95.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.2	44
7	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	13.0	7.1	44
8	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	44
9	72.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.60	12.0	7.4	44
10	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.55	7.0	6.8	44
11	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.55	12.0	6.8	44
12	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.55	17.0	6.8	44
13	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	6.5	40
14	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.5	40
15	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	8.5	40
16	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	8.2	38
17	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	8.8	304
18	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.20	22.0	7.5	38
19	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.00	22.0	7.6	40
20	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	18.0	7.1	44
21	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.4	44
22	72.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.60	22.0	7.4	44
23	95.00% TECHNICAL MATERIAL	BLUEGILL		0.90	12.0	7.2	40
24	95.00% TECHNICAL MATERIAL	BLUEGILL		0.90	17.0	7.2	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	6.8	3.700	13.000		.	.
2	STATIC	LC	230.	210.000	250.000		.	.	100.	68.000	150.000
3	STATIC	LC	>180.	.	.		.	.	27.	16.000	43.000
4	STATIC	LC		.	.		.	.	>5600.	.	.
5	STATIC	LC	3800.	2900.000	4900.000		.	.	2100.	1500.000	2900.000
6	STATIC	EC		.	.	40.	27.000	61.000		.	.
7	STATIC	LC	1740.	1120.000	2680.000		.	.	660.	560.000	750.000
8	STATIC	LC	2700.	1960.000	3710.000		.	.	1000.	599.000	1667.000
9	STATIC	LC	1500.	1130.000	1991.000		.	.	780.	601.000	1011.000
10	STATIC	LC	5400.	3830.000	7610.000		.	.	1700.	1080.000	2690.000
11	STATIC	LC	4200.	3150.000	5610.000		.	.	1300.	950.000	1790.000
12	STATIC	LC	1900.	1330.000	2710.000		.	.	830.	610.000	1130.000
13	STATIC	LC	3500.	2410.000	5080.000		.	.	1450.	1070.000	1960.000
14	STATIC	LC	3400.	2420.000	4780.000		.	.	1000.	730.000	1380.000
15	STATIC	LC	3100.	2270.000	4240.000		.	.	750.	560.000	1000.000
16	STATIC	LC	3700.	2800.000	4900.000		.	.	1700.	840.000	3440.000
17	STATIC	LC	4300.	3400.000	5400.000		.	.	1800.	1300.000	2500.000
18	STATIC	LC	470.	360.000	620.000		.	.	350.	270.000	460.000
19	STATIC	LC		.	.		.	.	1540.	1360.000	1750.000
20	STATIC	LC	2300.	1800.000	2800.000		.	.	620.	390.000	975.000
21	STATIC	LC	2400.	2000.000	2860.000		.	.	570.	411.000	789.000
22	STATIC	LC	1350.	915.000	1990.000		.	.	520.	377.000	716.000
23	STATIC	LC	7300.	5770.000	9240.000		.	.	1300.	870.000	1940.000
24	STATIC	LC	5600.	4090.000	7670.000		.	.	740.	470.000	1170.000

DEF

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	95.00% TECHNICAL MATERIAL	BLUEGILL		0.90	22.0	7.2	40
26	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	6.5	40
27	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.5	40
28	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	8.5	40
29	95.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	8.1	40
30	95.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	8.1	320
31	95.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE 1-2WK	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	2500.	1880.000	3320.000		.	.	540.	390.000	760.000
26	STATIC	LC	4800.	3600.000	6300.000		.	.	640.	460.000	890.000
27	STATIC	LC	4200.	3300.000	5400.000		.	.	640.	460.000	890.000
28	STATIC	LC	2800.	2000.000	4000.000		.	.	780.	580.000	1040.000
29	STATIC	LC	1100.	800.000	1520.000		.	.	245.	154.000	390.000
30	STATIC	LC	1100.	690.000	1760.000		.	.	270.	190.000	390.000
31	STATIC	LC	640.	310.000	1000.000		.	.	450.	300.000	660.000

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DEMETON

CAS # 8065-48-3 PRINCIPAL USE: ACARICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	94.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR		15.0	7.4	44
2	94.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	44
3	94.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	262
4	94.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	12.0	7.4	44
5	94.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	12.0	7.4	44
6	94.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	12.0	7.4	262
7	94.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.20	18.0	7.4	44
8	94.00% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.4	44
9	94.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70	18.0	7.4	272
10	94.00% TECHNICAL MATERIAL	WALLEYE		1.30	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	14.0	10.400	18.700		.	.
2	STATIC	LC	550.	450.000	670.000		.	.	78.	42.000	140.000
3	STATIC	LC	1000.	500.000	2000.000		.	.	48.	27.400	84.000
4	STATIC	LC		1000.000	10000.000		.	.		100.000	1000.000
5	STATIC	LC	1600.	1350.000	1900.000		.	.	600.	483.000	745.000
6	STATIC	LC	1800.	.	.		.	.	520.	442.000	612.000
7	STATIC	LC	3750.	3490.000	4030.000		.	.	3700.	3410.000	4020.000
8	STATIC	LC	210.	177.000	249.000		.	.	42.	34.100	51.700
9	STATIC	LC	680.	617.000	750.000		.	.	148.	136.000	162.000
10	STATIC	LC	400.	352.000	455.000		.	.	230.	203.000	260.000

DIAZINON

CAS # 333-41-5 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	89.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	89.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
3	89.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
4	89.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
5	89.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
6	92.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.00	12.0	7.4	44
7	92.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.30	10.0	7.4	162
8	89.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	13.0	7.1	44
9	92.00% TECHNICAL MATERIAL	LAKE TROUT		3.20	12.0	7.4	162
10	92.00% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	0.8	0.600	1.100		.	.
2	STATIC	EC		.	.	1.4	1.200	1.600		.	.
3	STATIC	EC		.	.	1.8	1.400	2.200		.	.
4	STATIC	LC	8.0	6.900	9.300		.	.	0.20	0.150	0.280
5	STATIC	LC	155.	115.000	210.000		.	.	25.0	20.000	30.000
6	STATIC	LC	3590.	2970.000	4340.000		.	.	2760.	2280.000	3330.000
7	STATIC	LC	2580.	2080.000	3210.000		.	.	1700.	1390.000	2090.000
8	STATIC	LC	380.	.	.		.	.	90.	.	.
9	STATIC	LC	2190.	1570.000	3300.000		.	.	602.	400.000	906.000
10	STATIC	LC	362.	270.000	480.000		.	.	168.0	120.000	220.000

DICAMBA

CAS # 1918-00-9 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	88.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
2	88.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.4	272
3	88.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
4	88.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
5	88.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
6	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.1	44
7	88.00% TECHNICAL MATERIAL	BLUEGILL		0.90	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	>100.	.	.		.	.
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	>100.	.	.		.	.	>100.	.	.
5	STATIC	LC	>56.	.	.		.	.	>56.	.	.
6	STATIC	LC	35.	.	.		.	.	28.	.	.
7	STATIC	LC	>50.	.	.		.	.	>50.	.	.

DICHLOBENIL

CAS # 1194-65-6   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	50.00% WETTABLE POWDER	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	50.00% WETTABLE POWDER	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	50.00% WETTABLE POWDER	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.4	272
4	50.00% WETTABLE POWDER	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
5	50.00% WETTABLE POWDER	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
6	98.90% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.1	44
7	98.90% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.4	272
8	98.90% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.1	44
9	98.90% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.4	272
10	98.90% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	18.0	7.1	44
11	98.90% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	18.0	7.4	272
12	98.90% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.1	44
13	98.90% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.4	272
14	98.90% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.1	44
15	98.90% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	3.70	3.300	4.200		.	.
2	STATIC	EC		.	.	5.80	4.800	8.400		.	.
3	STATIC	LC	>56.0	.	.		.	.	35.0	.	.
4	STATIC	LC	16.0	14.000	18.000		.	.	11.0	8.000	15.000
5	STATIC	LC	42.0	19.000	92.000		.	.	7.00	5.500	9.000
6	STATIC	LC	6.36	4.750	8.500		.	.	6.26	4.680	8.370
7	STATIC	LC	4.93	3.830	6.340		.	.	4.93	3.830	6.340
8	STATIC	LC	7.83	4.830	12.600		.	.	7.83	4.830	12.600
9	STATIC	LC	9.89	7.320	13.300		.	.	7.68	4.770	12.400
10	STATIC	LC	9.80	6.200	15.500		.	.	6.00	3.980	9.070
11	STATIC	LC	9.90	7.500	13.000		.	.	7.12	5.300	9.560
12	STATIC	LC	13.4	10.000	18.000		.	.	5.70	3.610	8.900
13	STATIC	LC	12.6	7.970	20.000		.	.	12.6	7.970	20.000
14	STATIC	LC	9.96	6.160	16.100		.	.	8.31	5.950	11.600
15	STATIC	LC	8.20	6.420	10.000		.	.	6.72	5.020	8.980

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DICHLOFENTHION

CAS # 97-17-6 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
2	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
3	100.0% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	15.0	7.1	44
4	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
5	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.1	44
6	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.4	272
7	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	13.0	7.1	44
8	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.10	18.0	7.1	44
9	100.0% TECHNICAL MATERIAL	BLUEGILL		1.30	18.0	7.1	44
10	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70	18.0	7.4	272
11	100.0% TECHNICAL MATERIAL	WALLEYE		1.30	18.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	1.00	0.540	1.850		.	.	0.11	0.080	0.150
2	STATIC	LC	0.76	0.470	1.230		.	.	0.26	0.200	0.340
3	STATIC	LC	0.43	0.260	0.710		.	.	0.056	0.040	0.078
4	STATIC	LC	0.56	0.380	0.820		.	.	0.0041	0.004	0.005
5	STATIC	LC	2.50	2.200	2.900		.	.	0.64	0.550	0.740
6	STATIC	LC	2.10	1.810	2.400		.	.	0.78	0.680	0.900
7	STATIC	LC	1.35	1.120	1.630		.	.	1.25	1.040	1.500
8	STATIC	LC	15.5	12.400	19.300		.	.	4.80	4.400	5.240
9	STATIC	LC	4.90	3.930	6.100		.	.	1.23	1.070	1.390
10	STATIC	LC	2.25	1.900	2.660		.	.	0.84	.	.
11	STATIC	LC	1.43	1.310	1.570		.	.	0.80	0.730	0.880

DICHLONE

CAS # 117-80-6 PRINCIPAL USE: FUNGICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	50.00% WETTABLE POWDER	CYPRIDOPSIS VIDUA	EARLY INSTAR	.	21.0	7.4	272
2	50.00% WETTABLE POWDER	ASELLUS BREVICAUDUS	MATURE	.	16.0	7.4	272
3	50.00% WETTABLE POWDER	GAMMARUS FASCIATUS	IMMATURE	.	21.0	7.4	44
4	50.00% WETTABLE POWDER	RAINBOW TROUT		0.50	12.0	7.4	44
5	50.00% WETTABLE POWDER	BLUEGILL		1.50	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	32.	20.400	50.200		.	.
2	STATIC	LC		.	.		.	.		100.000	560.000
3	STATIC	LC	3200.	1880.000	5440.000		.	.	1100.	802.000	1507.000
4	STATIC	LC	80.	70.000	91.400		.	.	49	41.100	58.300
5	STATIC	LC	160.	126.300	202.700		.	.	148.	107.000	205.000

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CAS # 50-30-6 PRINCIPAL USE: METABOLITE

2,6-DICHLOROBENZOIC ACID
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		2.60	13.0	7.4	44
2	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	24.0	7.4	44

BEST COPY AVAILABLE

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE	24 HOUR INTERVAL	48 HOUR	48 HOUR CONFIDENCE	48 HOUR INTERVAL	96 HOUR	96 HOUR CONFIDENCE	96 HOUR INTERVAL
1	STATIC	LC	148.	.	.		.	.	140.	.	.
2	STATIC	LC	120.	.	.		.	.	120.	.	.

CAS # 3687-13-6 PRINCIPAL USE: NEMATICIDE

DICHLOROPHENYL METHYLSULFONATE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	25.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.80	12.0	7.4	44
2	25.00% EMULSIFIABLE CONCENTRATE	FATHEAD MINNOW		0.90	18.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	4100.	3380.000	4970.000		.	.	2950.	2600.000	3340.000
2	STATIC	LC	4500.	4290.000	4720.000		.	.	4400.	4130.000	4680.000

DICHLOROPROPENE

CAS # 542-75-6 PRINCIPAL USE: NEMATICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	44
2	100.0% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.4	44
3	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.4	44
4	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		1.00	18.0	7.4	272
5	100.0% TECHNICAL MATERIAL	WALLEYE		1.30	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	90.	63.000	129.000		.	.
2	STATIC	LC	12800.	11400.000	14400.000		.	.	<7500.	.	.
3	STATIC	LC	8100.	7650.000	8580.000		.	.	4100.	3390.000	4970.000
4	STATIC	LC	5200.	5000.000	5400.000		.	.	3650.	3520.000	3780.000
5	STATIC	LC	1300.	1210.000	1390.000		.	.	1080.	990.000	1180.000

DICHLORVOS

CAS # 62-73-7 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	100.0% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
3	100.0% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
4	100.0% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
5	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
6	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.50	12.0	6.0	205
7	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.50	12.0	7.5	205
8	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.50	12.0	9.0	205
9	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.20	12.0	7.4	162
10	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		3.40	12.0	7.4	162
11	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.1	44
12	100.0% TECHNICAL MATERIAL	LAKE TROUT		0.30	12.0	7.4	162
13	100.0% TECHNICAL MATERIAL	LAKE TROUT		4.20	12.0	7.4	162
14	93.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	17.0	7.1	44
15	100.0% TECHNICAL MATERIAL	MOSQUITOFISH		0.20	17.0	7.4	272
16	100.0% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	0.07	0.050	0.090		.	.
2	STATIC	EC		.	.	0.28	0.160	0.470		.	.
3	STATIC	EC		.	.	0.26	0.160	0.420		.	.
4	STATIC	LC	2.0	1.500	2.700		.	.	0.50	0.370	0.680
5	STATIC	LC	25.	20.000	31.000		.	.	0.10	0.070	0.150
6	STATIC	LC	490.	362.000	664.000		.	.	170.	140.000	206.000
7	STATIC	LC	400.	333.000	481.000		.	.	170.	143.000	203.000
8	STATIC	LC	400.	333.000	481.000		.	.	170.	143.000	203.000
9	STATIC	LC	404.	222.000	735.000		.	.	213.	141.000	321.000
10	STATIC	LC	663.	511.000	860.000		.	.	304.	216.000	428.000
11	STATIC	LC	500.	.	.		.	.		.	.
12	STATIC	LC	486.	308.000	766.000		.	.	187.	110.000	320.000
13	STATIC	LC	667.	348.000	1280.000		.	.	183.	93.000	363.000
14	STATIC	LC	>23000	.	.		.	.	11600.	7830.000	17200.000
15	STATIC	LC	17800.	10400.000	30500.000		.	.	5270.	2660.000	10400.000
16	STATIC	LC	3080.	2430.000	3880.000		.	.	869.	700.000	1080.000

DICLOFOP METHYL

CAS # 51338-27-3   PRINCIPAL USE: HERBICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	44
2	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	340.	240.000	477.000		.	.	250.	189.000	330.000
2	STATIC	LC	590.	417.000	833.000		.	.	540.	375.000	775.000

DICOFOL

CAS # 115-32-2 PRINCIPAL USE: ACARICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
2	74.40% TECHNICAL MATERIAL	CUTTHROAT TROUT		3.20	11.0	7.4	44
3	74.40% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.10	11.0	7.4	44
4	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.40	13.0	7.1	44
5	74.40% TECHNICAL MATERIAL	LAKE TROUT		1.20	12.0	7.4	162
6	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	18.0	7.1	44
7	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.1	44
8	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.8	135

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	8600.	6200.000	11900.000		.	.	650.	280.000	1360.000
2	STATIC	LC	233.	151.000	361.000		.	.	158.	100.000	250.000
3	STATIC	LC	108.	88.000	132.000		.	.	53.	41.000	68.000
4	STATIC	LC	111.	.	.		.	.		.	.
5	STATIC	LC	128.	80.000	207.000		.	.	87.	53.000	142.000
6	STATIC	LC	600.	482.000	748.000		.	.	360.	290.000	447.000
7	STATIC	LC	1050.	889.000	1241.000		.	.	520.	421.000	642.000
8	STATIC	LC	790.	679.000	919.000		.	.	395.	.	.

CAS # 141-66-2 PRINCIPAL USE: INSECTICIDE

DICROTOPHOS
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	80.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
2	80.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
3	80.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
4	90.00% TECHNICAL MATERIAL	ORCONECTES NAIS	EARLY INSTAR	.	16.0	7.4	272
5	80.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	21.0	7.1	44
6	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.1	44
7	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.1	44
8	80.00% TECHNICAL MATERIAL	BLUEGILL		1.00	20.0	7.1	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.27	0.210	0.320		.	.
2	STATIC	LC	5.60	5.000	7.200		.	.	2.60	2.100	3.200
3	STATIC	LC	2.20	1.500	3.300		.	.	0.54	0.400	0.730
4	STATIC	LC	8.60	.	.		.	.	6.00	.	.
5	STATIC	LC	2.50	2.100	2.900		.	.	0.43	0.340	0.540
6	STATIC	LC	15.0	.	.		.	.	6.3	.	.
7	STATIC	LC	79.4	62.600	100.000		.	.	7.66	3.950	13.700
8	STATIC	LC	33.3	12.000	91.000		.	.	24.2	14.300	41.100

DIELDRIN

CAS # 60-57-1 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	85.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	85.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	85.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
4	85.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	21.0	7.1	44
5	85.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
6	85.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	272
7	85.00% TECHNICAL MATERIAL	ORCONECTES NAIS	MATURE	.	21.0	7.1	44
8	85.00% TECHNICAL MATERIAL	CLAASSENIA SABULOSA	2ND YEAR CLASS	.	15.0	7.1	44
9	85.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	2ND YEAR CLASS	.	15.0	7.1	44
10	85.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
11	85.00% TECHNICAL MATERIAL	ISCHNURA VERTICALIS	LATE INSTAR	.	24.0	7.1	44
12	85.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.10	9.0	7.4	162
13	85.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	44
14	85.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.4	272
15	85.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	2.0	7.1	44
16	85.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	7.0	7.1	44
17	85.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	13.0	7.1	44
18	85.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	18.0	7.1	44
19	85.00% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44
20	85.00% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.4	272
21	85.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.60	18.0	7.1	44
22	85.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.50	24.0	7.1	35
23	85.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.1	44
24	85.00% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	25.0	7.4	272

OBS	__ TEST TYPE __		___ 24 HOUR ___			___ 48 HOUR ___			___ 96 HOUR ___		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	250.	220.000	290.000		.	.
2	STATIC	EC		.	.	240.	200.000	280.000		.	.
3	STATIC	EC		.	.	190.	170.000	210.000		.	.
4	STATIC	LC	22.0	19.000	23.000		.	.	5.0	3.200	10.000
5	STATIC	LC	1800.	1300.000	2500.000		.	.	640.	460.000	880.000
6	STATIC	LC	1600.	1400.000	1800.000		.	.	600.	420.000	850.000
7	STATIC	LC	10000.	7500.000	14000.000		.	.	740.	680.000	1200.000
8	STATIC	LC	4.5	3.100	6.500		.	.	0.58	0.400	0.840
9	STATIC	LC	3.0	2.200	4.200		.	.	0.50	0.370	0.670
10	STATIC	LC	6.0	4.000	9.000		.	.	0.50	0.350	0.710
11	STATIC	LC		.	.		.	.	12.	.	.
12	STATIC	LC	12.6	11.500	13.800		.	.	6.0	4.550	7.980
13	STATIC	LC	1.4	1.000	1.800		.	.	1.2	0.900	1.700
14	STATIC	LC	1.6	1.200	2.000		.	.	1.2	0.900	1.500
15	STATIC	LC	13.0	9.400	17.000		.	.	2.3	1.800	3.000
16	STATIC	LC	4.1	3.300	5.100		.	.	1.2	1.000	1.300
17	STATIC	LC	3.0	2.200	4.100		.	.	1.4	1.300	1.600
18	STATIC	LC	2.6	2.300	2.900		.	.	1.5	1.300	1.700
19	STATIC	LC	4.2	3.200	5.800		.	.	1.8	1.200	2.800
20	STATIC	LC	1.9	1.500	2.600		.	.	1.6	1.200	2.000
21	STATIC	LC	5.8	4.800	7.200		.	.	3.8	3.100	4.600
22	STATIC	LC	11.	.	.		.	.	10.	.	.
23	STATIC	LC	25.4	16.100	40.200		.	.	4.5	2.500	7.900
24	STATIC	LC	14.5	13.000	16.100		.	.	7.8	6.000	10.200

DIELDRIN
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	85.00% TECHNICAL MATERIAL	BLUEGILL		1.30	18.0	7.1	44
26	85.00% TECHNICAL MATERIAL	BLUEGILL		0.50	18.0	7.4	272
27	85.00% TECHNICAL MATERIAL	BLUEGILL		1.10	7.0	7.1	44
28	85.00% TECHNICAL MATERIAL	BLUEGILL		1.10	13.0	7.1	44
29	85.00% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.1	44
30	85.00% TECHNICAL MATERIAL	BLUEGILL		1.10	24.0	7.1	44
31	85.00% TECHNICAL MATERIAL	BLUEGILL		1.10	29.0	7.1	44
32	85.00% TECHNICAL MATERIAL	BLUEGILL		0.50	18.0	7.4	272
33	85.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		2.50	18.0	7.4	272
34	85.00% TECHNICAL MATERIAL	TILAPIA		0.80	24.0	7.1	44
35	85.00% TECHNICAL MATERIAL	TILAPIA		0.80	24.0	7.4	272
36	85.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	15.0	7.1	44
37	85.00% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
25	STATIC	LC	11.1	9.000	13.700		.	.	3.1	2.100	4.600
26	STATIC	LC	25.0	4.200	160.000		.	.	4.7	3.200	7.000
27	STATIC	LC	54.0	44.000	65.000		.	.	16.0	13.000	20.000
28	STATIC	LC	40.0	37.000	44.000		.	.	18.0	16.000	20.000
29	STATIC	LC	24.0	21.000	27.000		.	.	14.5	13.000	16.000
30	STATIC	LC	14.0	12.500	15.700		.	.	9.3	8.200	10.500
31	STATIC	LC	10.0	9.000	11.100		.	.	7.1	6.300	8.000
32	FLOW THROUGH	LC	15.0	7.400	33.000		.	.	3.9	1.900	8.200
33	STATIC	LC	8.0	6.100	11.000		.	.	3.5	2.700	4.500
34	STATIC	LC	12.0	10.000	14.000		.	.	9.2	8.200	10.000
35	STATIC	LC	17.0	.	.		.	.	10.0	8.600	12.000
36	STATIC	LC	1400.	1100.000	2200.000		.	.	150.	20.000	470.000
37	STATIC	LC	230.	83.000	410.000		.	.	100.	30.000	280.000

DIFLUBENZURON

CAS # 35367-38-5 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	25.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	22.0	7.4	44
2	25.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	22.0	7.4	44
3	95.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.4	44
4	25.00% WETTABLE POWDER	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.4	44
5	95.00% TECHNICAL MATERIAL	SKWALA SP.	1ST YEAR CLASS	.	7.0	7.4	44
6	25.00% WETTABLE POWDER	SKWALA SP.	1ST YEAR CLASS	.	7.0	7.4	44
7	25.00% WETTABLE POWDER	CUTTHROAT TROUT		1.00	12.0	7.4	44
8	25.00% WETTABLE POWDER	CUTTHROAT TROUT		0.90	7.0	7.4	44
9	25.00% WETTABLE POWDER	CUTTHROAT TROUT		1.00	12.0	6.5	44
10	25.00% WETTABLE POWDER	CUTTHROAT TROUT		0.70	12.0	7.3	44
11	25.00% WETTABLE POWDER	CUTTHROAT TROUT		0.90	12.0	8.5	44
12	25.00% WETTABLE POWDER	CUTTHROAT TROUT		0.80	12.0	7.4	44
13	25.00% WETTABLE POWDER	CUTTHROAT TROUT		1.00	12.0	8.0	300
14	25.00% WETTABLE POWDER	RAINBOW TROUT		1.50	10.0	7.4	44
15	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	10.0	7.4	44
16	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	7.0	7.4	44
17	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	17.0	7.4	44
18	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	8.0	320
19	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.4	44
20	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	6.5	44
21	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	8.5	44
22	95.00% TECHNICAL MATERIAL	ATLANTIC SALMON	FINGERLING	.	7.0	7.4	44
23	95.00% TECHNICAL MATERIAL	BROOK TROUT		0.60	7.0	7.4	44
24	95.00% TECHNICAL MATERIAL	BROOK TROUT		1.20	12.0	7.4	44

OBS	__ TEST TYPE __		___ 24 HOUR ___	CONFIDENCE	INTERVAL	___ 48 HOUR ___	CONFIDENCE	INTERVAL	___ 96 HOUR ___	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	.0155	0.012	0.020		.	.
2	STATIC	EC		.	.	.015	0.010	0.022		.	.
3	STATIC	LC	.087	0.065	0.117		.	.	.045	0.034	0.059
4	STATIC	LC	.088	0.066	0.117		.	.	.025	0.016	0.040
5	STATIC	LC		.	.		.	.	>100	.	.
6	STATIC	LC		.	.		.	.	57.5	46.300	71.300
7	STATIC	LC	77.	62.700	94.600		.	.	57.	48.200	67.400
8	STATIC	LC	75.	61.000	92.100		.	.	75.	61.000	92.100
9	STATIC	LC		.	.		.	.	>50.	.	.
10	STATIC	LC		.	.		.	.	>60.	.	.
11	STATIC	LC		.	.		.	.	>60.	.	.
12	STATIC	LC		.	.		.	.	>50.	.	.
13	STATIC	LC		.	.		.	.	>50.	.	.
14	STATIC	LC	560.	408.000	769.000		.	.	240.	201.000	286.000
15	STATIC	LC		.	.		.	.	>100.	.	.
16	STATIC	LC	>50.	.	.		.	.	>50.	.	.
17	STATIC	LC	>50.	.	.		.	.	>50.	.	.
18	STATIC	LC	>50.	.	.		.	.	>50.	.	.
19	STATIC	LC	>50.	.	.		.	.	>50.	.	.
20	STATIC	LC	>50.	.	.		.	.	>50.	.	.
21	STATIC	LC	>50.	.	.		.	.	>50.	.	.
22	STATIC	LC		.	.		.	.	>50.	.	.
23	STATIC	LC		.	.		.	.	>50.	.	.
24	STATIC	LC		.	.		.	.	>50.	.	.

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DIFLUBENZURON
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	95.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	6.5	44
26	95.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	7.5	44
27	95.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	8.5	44
28	95.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	7.4	44
29	95.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	8.0	300
30	25.00% WETTABLE POWDER	FATHEAD MINNOW		0.90	20.0	7.4	44
31	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		2.00	22.0	7.4	44
32	25.00% WETTABLE POWDER	CHANNEL CATFISH		2.20	22.0	7.4	44
33	25.00% WETTABLE POWDER	BLUEGILL		0.50	20.0	7.4	44
34	95.00% TECHNICAL MATERIAL	BLUEGILL		0.30	20.0	7.4	44
35	95.00% TECHNICAL MATERIAL	BLUEGILL		0.40	12.0	7.4	44
36	95.00% TECHNICAL MATERIAL	BLUEGILL		0.40	22.0	7.4	44
37	95.00% TECHNICAL MATERIAL	BLUEGILL		0.40	17.0	8.0	320
38	95.00% TECHNICAL MATERIAL	BLUEGILL		0.40	17.0	7.4	40
39	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	6.5	40
40	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	9.5	40
41	95.00% TECHNICAL MATERIAL	YELLOW PERCH		2.60	12.0	7.4	44
42	95.00% TECHNICAL MATERIAL	YELLOW PERCH		0.60	12.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC		.	.		.	.	>50.	.	.
26	STATIC	LC		.	.		.	.	>50.	.	.
27	STATIC	LC		.	.		.	.	>50.	.	.
28	STATIC	LC		.	.		.	.	>50.	.	.
29	STATIC	LC		.	.		.	.	>50.	.	.
30	STATIC	LC	>100.	.	.		.	.	>100.	.	.
31	STATIC	LC	>100.	.	.		.	.	>100.	.	.
32	STATIC	LC	>100.	.	.		.	.	>100.	.	.
33	STATIC	LC	>100.	.	.		.	.	>100.	.	.
34	STATIC	LC	>100.	.	.		.	.	>100.	.	.
35	STATIC	LC	>50.	.	.		.	.	>50.	.	.
36	STATIC	LC	>50.	.	.		.	.	>50.	.	.
37	STATIC	LC	>50.	.	.		.	.		.	.
38	STATIC	LC	>50.	.	.		.	.	>50.	.	.
39	STATIC	LC	>50.	.	.		.	.	>50.	.	.
40	STATIC	LC	>50.	.	.		.	.	>50.	.	.
41	STATIC	LC		.	.		.	.	>50.	.	.
42	STATIC	LC	>25.	.	.		.	.	>25.	.	.

DILAN

CAS #   PRINCIPAL USE: INSECTICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	13.0	7.1	44
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	13.0	7.4	272
4	100.0% TECHNICAL MATERIAL	BLUEGILL		1.20	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	800.	680.000	920.000		.	.	350.	300.000	400.000
2	STATIC	LC	37.0	35.000	40.000		.	.	34.0	32.000	36.000
3	STATIC	LC	32.0	29.000	35.000		.	.	32.0	29.000	35.000
4	STATIC	LC	18.0	.	.		.	.	14.0	.	.

DIMETHOATE

CAS # 60-51-5 PRINCIPAL USE: INSECTICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	97.40% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
2	97.40% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	21.0	7.1	44
3	97.40% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	13.0	7.1	44
4	97.40% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	13.0	7.4	272
5	97.40% TECHNICAL MATERIAL	BLUEGILL		0.30	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	0.90	0.670	1.200		.	.	0.20	0.150	0.270
2	STATIC	LC	0.51	0.350	0.740		.	.	0.043	0.036	0.051
3	STATIC	LC	11.2	8.300	15.400		.	.	6.2	4.100	9.300
4	STATIC	LC	14.0	10.400	18.500		.	.	8.6	5.300	13.800
5	STATIC	LC	28.0	.	.		.	.	6.0	.	.

DIMETHRIN

CAS # 67239-16-1 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.60	14.0	7.5	314
2	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH	FINGERLING	.	12.0	7.4	44
3	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH	FINGERLING	.	12.0	7.5	314
4	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	7.4	44
5	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	6.5	44
6	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	7.5	44
7	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	9.5	44
8	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	6.6	12
9	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	7.8	170
10	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	8.2	300
11	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	7.4	44
12	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	17.0	7.4	44
13	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	7.4	44
14	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	6.5	44
15	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	7.5	44
16	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	9.5	44
17	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	14.0	7.5	314
18	100.0% TECHNICAL MATERIAL	YELLOW PERCH		1.40	12.0	7.5	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	FLOW THROUGH	LC	65.5	48.000	89.300		.	.	62.0	50.500	76.100
2	STATIC	LC	>1000	.	.		.	.	1140.	1018.000	1275.000
3	FLOW THROUGH	LC	>400.	.	.		.	.	165.	126.000	216.000
4	STATIC	LC	110.	67.300	180.000		.	.	37.5	28.100	50.000
5	STATIC	LC	50.0	34.500	72.500		.	.	24.0	19.000	30.200
6	STATIC	LC		.	.		.	.	30.0	22.400	40.100
7	STATIC	LC		.	.		.	.	29.0	22.700	37.000
8	STATIC	LC	48.5	35.500	66.200		.	.	26.0	21.300	31.800
9	STATIC	LC		.	.		.	.	27.6	20.600	37.000
10	STATIC	LC	54.6	38.300	77.800		.	.	28.2	22.500	35.400
11	STATIC	LC		.	.		.	.	21.3	17.900	25.300
12	STATIC	LC	66.3	54.900	80.400		.	.	57.9	44.400	75.500
13	STATIC	LC		.	.		.	.	85.0	67.400	107.200
14	7 DAY DEGRA	LC		.	.		.	.	28.1	22.300	35.400
15	7 DAY DEGRA	LC		.	.		.	.	28.2	22.100	35.900
16	7 DAY DEGRA	LC		.	.		.	.	33.7	27.100	42.000
17	FLOW THROUGH	LC	22.5	16.900	30.000		.	.	22.3	16.700	30.000
18	STATIC	LC	74.0	33.400	164.000		.	.	28.0	21.500	36.500

CAS # 68-12-2 PRINCIPAL USE: SOLVENT

DIMETHYL FORMAMIDE
MEASURED IN ML /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.5	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	12.	10.000	13.000

CAS # 67-68-5   PRINCIPAL USE: SOLVENT

DIMETHYLSULFOXIDE
MEASURED IN ML /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% REAGENT GRADE	RAINBOW TROUT		0.70	12.0	7.5	44
2	100.0% REAGENT GRADE	BLUEGILL		1.00	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	35.	33.000	37.000
2	STATIC	LC	>400.	.	.		.	.	>400.	.	.

DINITRAMINE

CAS # 29091-05-2 PRINCIPAL USE: HERBICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.20% TECHNICAL MATERIAL	COHO SALMON		0.90	12.0	7.5	44
2	99.20% TECHNICAL MATERIAL	COHO SALMON		0.90	12.0	7.5	314
3	99.20% TECHNICAL MATERIAL	COHO SALMON		1.70	12.0	7.5	44
4	99.20% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	12.0	7.5	44
5	99.20% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	12.0	7.5	314
6	99.20% TECHNICAL MATERIAL	BROWN TROUT		0.70	12.0	7.5	44
7	99.20% TECHNICAL MATERIAL	BROWN TROUT	FINGERLING	.	12.0	7.5	314
8	99.20% TECHNICAL MATERIAL	LAKE TROUT		0.60	12.0	7.5	44
9	99.20% TECHNICAL MATERIAL	NORTHERN PIKE	FINGERLING	.	12.0	7.5	314
10	99.20% TECHNICAL MATERIAL	CARP		1.00	12.0	7.5	44
11	99.20% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	12.0	7.5	44
12	99.20% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	17.0	7.5	314
13	99.20% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	12.0	7.5	44
14	99.20% TECHNICAL MATERIAL	BLUEGILL		1.40	12.0	7.5	44
15	99.20% TECHNICAL MATERIAL	YELLOW PERCH		0.80	12.0	7.5	44
16	99.20% TECHNICAL MATERIAL	YELLOW PERCH		0.80	12.0	7.5	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>1500	.	.		.	.	600.	503.000	715.000
2	FLOW THROUGH	LC	>2000.	.	.		.	.	1850.	1568.000	2181.000
3	STATIC	LC	>2000.	.	.		.	.	1540.	1280.000	1850.000
4	STATIC	LC	1200.	1060.000	1360.000		.	.	820.	625.000	1075.000
5	FLOW THROUGH	LC	960.	855.000	1076.000		.	.	850.	728.000	991.000
6	STATIC	LC	1270.	1050.000	1530.000		.	.	590.	510.000	682.000
7	FLOW THROUGH	LC	>2000.	.	.		.	.	1240.	1100.000	1390.000
8	STATIC	LC	1150.	986.000	1340.000		.	.	920.	776.000	1090.000
9	FLOW THROUGH	LC	770.	704.000	841.000		.	.	758.	674.000	851.000
10	STATIC	LC	>2000.	.	.		.	.	1180.	1020.000	1360.000
11	STATIC	LC	>2000.	.	.		.	.	1440.	1070.000	1930.000
12	FLOW THROUGH	LC	>2000.	.	.		.	.	1180.	1005.000	1384.000
13	STATIC	LC	2990.	2200.000	4060.000		.	.	1370.	1040.000	1810.000
14	STATIC	LC	>2000.	.	.		.	.	1520.	1140.000	2020.000
15	STATIC	LC	1000.	870.000	1150.000		.	.	1000.	870.000	1150.000
16	FLOW THROUGH	LC	990.	877.000	1116.000		.	.	780.	697.000	871.000

DINOBUTON

CAS # 973-21-7 PRINCIPAL USE: ACARICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.4	44
2	100.0% TECHNICAL MATERIAL	BLUEGILL		1.30	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	15.	.	.		.	.	14.	.	.
2	STATIC	LC	11.	.	.		.	.	11.	.	.

CAS # 6119-92-2 PRINCIPAL USE: FUNGICIDE

DINOCAP

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	78.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
2	78.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	13.0	7.1	44
3	78.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	13.0	7.4	272
4	78.00% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44
5	78.00% TECHNICAL MATERIAL	BLUEGILL		0.90	18.0	7.1	44
6	78.00% TECHNICAL MATERIAL	BLUEGILL		0.70	18.0	7.4	272

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OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	120.	92.000	157.000		.	.	75.	57.000	99.000
2	STATIC	LC	15.0	14.000	16.000		.	.	15.0	14.000	16.000
3	STATIC	LC	19.0	17.000	21.000		.	.	19.0	17.000	21.000
4	STATIC	LC	45.	42.000	49.000		.	.	33.	25.000	43.000
5	STATIC	LC	20.0	19.000	21.000		.	.	20.0	19.000	21.000
6	STATIC	LC	29.	26.000	32.000		.	.	26.	22.000	29.000

DINOSEB

CAS # 88-85-7 PRINCIPAL USE: HERBICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	5.0	7.4	44
2	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.30	15.0	7.4	44
3	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	10.0	6.5	44
4	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	10.0	7.5	44
5	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	10.0	8.5	44
6	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	10.0	7.8	44
7	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.8	165
8	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	7.8	295
9	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	10.0	7.4	44
10	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	10.0	7.4	44
11	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	10.0	7.4	44
12	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.40	10.0	7.4	162
13	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.70	10.0	7.4	44
14	95.80% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	10.0	7.4	44
15	95.80% TECHNICAL MATERIAL	LAKE TROUT		4.30	10.0	7.4	162
16	95.80% TECHNICAL MATERIAL	LAKE TROUT		0.30	10.0	7.1	44
17	95.80% TECHNICAL MATERIAL	LAKE TROUT		0.40	5.0	7.5	104
18	95.80% TECHNICAL MATERIAL	LAKE TROUT		0.50	15.0	7.5	93
19	95.80% TECHNICAL MATERIAL	LAKE TROUT		1.30	10.0	6.5	33
20	95.80% TECHNICAL MATERIAL	LAKE TROUT		1.30	10.0	7.5	33
21	95.80% TECHNICAL MATERIAL	LAKE TROUT		1.50	10.0	8.5	33
22	95.80% TECHNICAL MATERIAL	LAKE TROUT		0.90	10.0	7.8	35
23	95.80% TECHNICAL MATERIAL	LAKE TROUT		0.90	10.0	8.0	175
24	95.80% TECHNICAL MATERIAL	LAKE TROUT		1.10	10.0	7.7	305

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	88.	79.000	98.000		.	.	58.	48.000	70.000
2	STATIC	LC	105.	81.000	135.000		.	.	42.	32.000	54.000
3	STATIC	LC	53.	41.000	68.000		.	.	41.	34.000	49.000
4	STATIC	LC	280.	185.000	422.000		.	.	130.	89.000	189.000
5	STATIC	LC	>2000.	.	.		.	.	1350.	1160.000	1580.000
6	STATIC	LC	>800.	.	.		.	.	550.	371.000	815.000
7	STATIC	LC	530.	354.000	793.000		.	.	340.	243.000	476.000
8	STATIC	LC	510.	350.000	772.000		.	.	280.	146.000	540.000
9	7 DAY DEGRA	LC	>200.	.	.		.	.	165.	120.000	227.000
10	14 DAY DEGRA	LC	>200.	.	.		.	.	95.	78.000	116.000
11	28 DAY DEGRA	LC	200.	136.000	294.000		.	.	87.	63.000	120.000
12	FLOW THROUGH	LC		.	.		.	.	152.	131.000	176.000
13	STATIC	LC	115.	103.000	129.000		.	.	67.	56.000	81.000
14	0 DAY DEGRA	LC	>200	.	.		.	.	71	54.000	92.000
15	FLOW THROUGH	LC		.	.		.	.	79.	67.000	93.000
16	STATIC	LC	69.0	62.500	76.200		.	.	44.0	38.000	51.000
17	STATIC	LC	>200.	.	.		.	.	135.	102.000	178.000
18	STATIC	LC	94.0	68.800	128.000		.	.	36.0	24.100	53.800
19	STATIC	LC	36.0	25.300	51.300		.	.	32.0	19.800	51.800
20	STATIC	LC	135.	90.400	202.000		.	.	77.0	52.400	113.000
21	STATIC	LC	2500.	1880.000	3330.000		.	.	1440.	1170.000	1680.000
22	STATIC	LC	510.	350.000	742.000		.	.	280.	205.000	383.000
23	STATIC	LC	560.	371.000	845.000		.	.	140.	104.000	189.000
24	STATIC	LC	280.	186.000	422.000		.	.	155.	107.000	224.000

CAS # 19826-60-9   PRINCIPAL USE: ANTIOXIDANT

2,6-DIOCTADECYL-P-CRESOL
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% ANALYTICAL GRADE	RAINBOW TROUT		1.00	12.0	7.1	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.

DIOXATHION

CAS # 78-34-2 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.1	44
2	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
3	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
4	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.4	272
5	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.4	272
6	100.0% TECHNICAL MATERIAL	BLUEGILL		1.20	18.0	7.1	44
7	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		1.30	18.0	7.4	272
8	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		2.80	18.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	0.35	0.250	0.490		.	.
2	STATIC	LC	24.	20.000	29.000		.	.	8.6	5.400	13.800
3	STATIC	LC	56.	40.000	78.000		.	.	16.	11.000	22.000
4	STATIC	LC	170.	160.000	180.000		.	.	110.	98.000	120.000
5	STATIC	LC	118.	106.000	131.000		.	.	69.	59.000	81.000
6	STATIC	LC	16.	.	.		.	.	12.	.	.
7	STATIC	LC	34.	31.000	38.000		.	.	22.	20.000	25.000
8	STATIC	LC	46.	39.000	56.000		.	.	23.	19.000	27.000

DIPHENAMIDE

CAS # 957-51-7   PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
2	100.0% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.4	272
3	100.0% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.4	272
4	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
5	100.0% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
6	80.00% WETTABLE POWDER	RAINBOW TROUT		1.70	13.0	7.1	44
7	100.0% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44
8	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.1	44
9	80.00% WETTABLE POWDER	BLUEGILL		1.00	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	58.	43.000	79.000		.	.
2	STATIC	EC		.	.	51.	37.000	71.000		.	.
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	>100.	.	.		.	.	100.	.	.
5	STATIC	LC	>100.	.	.		.	.	32.	29.000	35.000
6	STATIC	LC	146.	.	.		.	.	97.	.	.
7	STATIC	LC	64.7	49.200	85.100		.	.	53.3	41.800	68.100
8	STATIC	LC	57.	.	.		.	.	48.	38.000	60.000
9	STATIC	LC	92.	.	.		.	.	65.	.	.

DIQUAT

CAS # 85-00-7 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	35.30% LIQUID CONCENTRATE	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
2	35.30% LIQUID CONCENTRATE	APPLE SNAIL	1 WK	.	22.0	7.3	40
3	35.30% LIQUID CONCENTRATE	RAINBOW TROUT	FINGERLING	.	13.0	7.1	44
4	35.30% LIQUID CONCENTRATE	GOLDFISH	FINGERLING	.	18.0	7.1	44
5	35.30% LIQUID CONCENTRATE	BLACK BULLHEAD		0.80	12.0	7.5	44
6	35.30% LIQUID CONCENTRATE	BLACK BULLHEAD		0.80	12.0	9.5	44
7	35.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	8.0	44
8	35.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	8.5	44
9	35.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	9.5	44
10	35.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	8.0	170
11	35.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	8.0	300
12	35.30% LIQUID CONCENTRATE	BLUEGILL		1.30	12.0	7.5	44
13	35.30% LIQUID CONCENTRATE	BLUEGILL		1.10	7.0	7.5	44
14	35.30% LIQUID CONCENTRATE	BLUEGILL		1.10	17.0	7.5	44
15	35.30% LIQUID CONCENTRATE	BLUEGILL		1.30	22.0	7.5	44
16	35.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	6.5	44
17	35.30% LIQUID CONCENTRATE	YELLOW PERCH		0.60	12.0	7.5	44
18	35.30% LIQUID CONCENTRATE	YELLOW PERCH		0.60	12.0	9.5	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.
2	STATIC	LC		.	.		.	.	1.80	1.270	2.550
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	>100.	.	.		.	.		.	.
5	STATIC	LC	>200.	.	.		.	.	170.	113.000	255.000
6	STATIC	LC	>70.	.	.		.	.	24.6	20.000	30.300
7	STATIC	LC	>600.	.	.		.	.	450.	339.000	597.000
8	STATIC	LC	860.	676.000	1090.000		.	.	178.	132.000	240.000
9	STATIC	LC	>800.	.	.		.	.	115.	78.500	169.000
10	STATIC	LC	>800.	.	.		.	.	508.	421.000	613.000
11	STATIC	LC	>720.	.	.		.	.	870.	529.000	1430.000
12	STATIC	LC	>200.	.	.		.	.	245.	175.000	342.000
13	STATIC	LC	>200.	.	.		.	.	248.	174.000	354.000
14	STATIC	LC	>200.	.	.		.	.	200.	146.000	275.000
15	STATIC	LC	490.	424.000	566.000		.	.	230.	197.000	268.000
16	STATIC	LC	>450.	.	.		.	.	498.	354.000	702.000
17	STATIC	LC	>150.	.	.		.	.	60.0	38.600	93.200
18	STATIC	LC	80.0	47.100	136.000		.	.	23.5	14.200	39.000

DISULFOTON

CAS # 298-04-4 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
2	98.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
3	98.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
4	98.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
5	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	13.0	7.1	44
6	98.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	18.0	7.1	44
7	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	18.0	7.1	44
8	98.00% TECHNICAL MATERIAL	BLUEGILL		0.30	24.0	7.1	44
9	98.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	110.	81.000	149.000		.	.	52.	49.000	58.000
2	STATIC	LC	100.	59.000	170.000		.	.	21.	17.000	26.000
3	STATIC	LC	>180.	.	.		.	.	3.9	2.700	5.700
4	STATIC	LC	40.	31.000	52.000		.	.	5.0	3.700	6.700
5	STATIC	LC	2450.	.	.		.	.	1850.	.	.
6	STATIC	LC	5600.	.	.		.	.	4300.	.	.
7	STATIC	LC	6000.	.	.		.	.	4700.	.	.
8	STATIC	LC	650.	.	.		.	.	300.	.	.
9	STATIC	LC	270.	.	.		.	.	60.	.	.

DITHIANON

MEASURED IN UG /L

CAS # 3347-22-6 PRINCIPAL USE: FUNGICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.4	44
2	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.4	44
3	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.60	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	290.	231.000	364.000		.	.	150.	66.000	330.000
2	STATIC	LC	168.	124.000	227.000		.	.	165.	123.000	223.000
3	STATIC	LC	130.	120.000	140.000		.	.	130.	120.000	140.000

DIURON

CAS # 330-54-1 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	95.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	95.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.1	44
4	95.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
5	95.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
6	95.00% TECHNICAL MATERIAL	COHO SALMON		1.40	13.0	7.1	44
7	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	10.0	6.5	44
8	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	10.0	7.5	44
9	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	10.0	8.5	44
10	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	10.0	7.8	44
11	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.7	165
12	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	7.7	295
13	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.0	44
14	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.0	44
15	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.0	44
16	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.0	44
17	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.0	44
18	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		3.10	10.0	7.4	162
19	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.30	10.0	7.2	44
20	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	5.0	7.4	44
21	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	15.0	7.2	44
22	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	13.0	7.1	44
23	80.00% WETTABLE POWDER	RAINBOW TROUT		1.20	13.0	7.1	44
24	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	2.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	1.4	1.000	1.900		.	.
2	STATIC	EC		.	.	2.0	1.400	2.800		.	.
3	STATIC	LC	>10.	.	.		.	.	15.5	7.200	33.400
4	STATIC	LC	0.70	0.590	0.830		.	.	0.16	0.130	0.190
5	STATIC	LC	3.6	2.800	4.700		.	.	1.2	0.900	1.700
6	STATIC	LC	11.0	.	.		.	.	<2.4	.	.
7	STATIC	LC	>4.5	.	.		.	.	2.1	1.700	2.600
8	STATIC	LC	4.2	3.100	5.700		.	.	1.4	1.000	1.900
9	STATIC	LC	>4.5	.	.		.	.	2.2	1.800	2.700
10	STATIC	LC	>4.0	.	.		.	.	1.7	1.400	2.100
11	STATIC	LC	>5.0	.	.		.	.	1.9	1.500	2.500
12	STATIC	LC	>5.0	.	.		.	.	1.9	1.500	2.500
13	0 DAY DEGRA	LC	>5.0	.	.		.	.	1.5	1.100	2.000
14	7 DAY DEGRA	LC	>10.0	.	.		.	.	11.5	6.300	20.900
15	14 DAY DEGRA	LC	>20.0	.	.		.	.	13.8	6.300	29.900
16	21 DAY DEGRA	LC	>30.0	.	.		.	.	12.8	9.000	18.000
17	28 DAY DEGRA	LC	30.0	.	.		.	.	12.3	9.500	15.800
18	FLOW THROUGH	LC	>4.0	.	.		.	.	1.9	1.600	2.100
19	STATIC	LC	3.4	2.900	3.800		.	.	1.4	1.100	1.900
20	STATIC	LC	>4.0	.	.		.	.	1.4	1.100	1.700
21	STATIC	LC	2.8	1.900	4.200		.	.	0.71	0.530	0.960
22	STATIC	LC	9.0	7.600	11.000		.	.	4.9	4.100	5.900
23	STATIC	LC	71.0	61.100	82.500		.	.	16.0	11.300	22.700
24	STATIC	LC	11.5	10.500	12.700		.	.	7.7	6.800	8.900

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                                                                      DIURON
                                                                                  MEASURED IN MG /L

                   CHEMICAL                                                                                              DEG.  HARDNESS
OBS              DESCRIPTION                  SPECIES              SIZE        WEIGHT                                   CENT.  PH  MG/L

 25  95.00% TECHNICAL MATERIAL        RAINBOW TROUT                            1.20                                      7.0  7.1    44
 26  95.00% TECHNICAL MATERIAL        RAINBOW TROUT                            1.20                                     13.0  7.1    44
 27  95.00% TECHNICAL MATERIAL        RAINBOW TROUT                            1.20                                     18.0  7.1    44
 28  95.00% TECHNICAL MATERIAL        RAINBOW TROUT                            1.50                                     12.0  7.5    44
 29  95.00% TECHNICAL MATERIAL        RAINBOW TROUT                            1.50                                     12.0  7.5    44
 30  95.00% TECHNICAL MATERIAL        RAINBOW TROUT                            1.50                                     12.0  7.5    44
 31  95.00% TECHNICAL MATERIAL        RAINBOW TROUT                            1.50                                     12.0  7.5    44
 32  95.00% TECHNICAL MATERIAL        RAINBOW TROUT                            1.50                                     12.0  7.5    44
 33  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              1.50                                     10.0  7.0    44
 34  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              0.40                                      5.0  7.5    44
 35  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              0.40                                     15.0  7.5    44
 36  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              1.00                                     10.0  6.5    44
 37  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              1.00                                     10.0  7.5    44
 38  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              1.00                                     10.0  8.5    44
 39  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              1.10                                     10.0  8.0    44
 40  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              0.90                                     10.0  8.0   175
 41  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              1.20                                     10.0  8.0   295
 42  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              1.50                                     10.0  7.0    44
 43  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              1.50                                     10.0  7.0    44
 44  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              1.50                                     10.0  7.0    44
 45  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              0.30                                     10.0  7.0    44
 46  95.00% TECHNICAL MATERIAL        LAKE  TROUT                              5.10                                     10.0  7.4   162
 47  95.00% TECHNICAL MATERIAL        LAKE  TROUT            SWIMUP FRY         .                                       10.0  7.0    44
 48  95.00% TECHNICAL MATERIAL        BLUEGILL                                 0.90                                     12.0  7.5    44

     _ TEST TYPE _            __ 24 HOUR __                      __ 48 HOUR __                      __ 96 HOUR __
OBS                                  CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL

 25  STATIC         LC       15.5      14.100      17.100                  .          .          7.2      6.500       7.900
 26  STATIC         LC       12.5      11.500      13.600                  .          .          6.2      5.800       6.600
 27  STATIC         LC        8.4       7.900       9.100                  .          .          5.3      5.100       5.700
 28  0 DAY DEGRA    LC                   .           .                     .          .          3.5      2.700       4.400
 29  7 DAY DEGRA    LC                   .           .                     .          .          4.2      3.100       5.600
 30  14 DAY DEGRA   LC                   .           .                     .          .         13.4     10.700      16.700
 31  21 DAY DEGRA   LC                   .           .                     .          .          7.4      6.200       8.700
 32  28 DAY DEGRA   LC                   .           .                     .          .          9.4      8.300      10.700
 33  STATIC         LC       >3.5        .           .                     .          .          2.7      2.400       3.000
 34  STATIC         LC        5.3       4.000       7.000                  .          .          2.2      1.700       2.700
 35  STATIC         LC        2.9       2.200       3.900                  .          .          1.2      0.900       1.500
 36  STATIC         LC       >4.5        .           .                     .          .          2.5      1.900       3.100
 37  STATIC         LC       >4.0        .           .                     .          .          2.4      1.900       2.900
 38  STATIC         LC        4.2       2.800       6.200                  .          .          2.6      1.900       3.100
 39  STATIC         LC        3.3       2.000       5.300                  .          .          2.2      1.600       2.900
 40  STATIC         LC        3.5       2.800       4.400                  .          .          2.1      1.500       3.000
 41  STATIC         LC       >3.0        .           .                     .          .          2.6      2.000       3.400
 42  7 DAY DEGRA    LC       >5.0        .           .                     .          .          3.2      2.200       4.600
 43  14 DAY DEGRA   LC       17.5      10.800      28.500                  .          .          3.6      2.500       5.000
 44  21 DAY DEGRA   LC      >20.0        .           .                     .          .         11.5      7.900      16.800
 45  STATIC         LC        3.5       2.200       5.500                  .          .          1.8      1.500       2.000
 46  FLOW THROUGH   LC                   .           .                     .          .          1.8      1.600       2.100
 47  STATIC         LC        4.2       3.300       5.300                  .          .          1.1      1.000       1.300
 48  STATIC         LC       35.0      28.600      42.800                  .          .         10.4      7.600      14.200
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DIURON

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	7.0	7.1	44
50	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	13.0	7.1	44
51	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.1	44
52	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.1	44
53	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	29.0	7.1	44
54	95.00% TECHNICAL MATERIAL	BLUEGILL		1.10	12.0	6.5	44
55	95.00% TECHNICAL MATERIAL	BLUEGILL		1.10	12.0	8.0	44
56	95.00% TECHNICAL MATERIAL	BLUEGILL		1.10	12.0	8.5	44
57	95.00% TECHNICAL MATERIAL	BLUEGILL		1.10	12.0	9.5	44
58	95.00% TECHNICAL MATERIAL	BLUEGILL		1.10	12.0	8.0	170
59	95.00% TECHNICAL MATERIAL	BLUEGILL		1.10	12.0	8.0	300

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
49	STATIC	LC	29.8	27.300	32.500		.	.	9.3	8.100	10.700
50	STATIC	LC	27.0	24.800	29.400		.	.	9.5	8.500	10.600
51	STATIC	LC	16.7	14.900	18.700		.	.	8.2	7.400	9.100
52	STATIC	LC	8.4	7.700	9.300		.	.	6.4	5.900	7.000
53	STATIC	LC	3.6	3.000	4.200		.	.	2.8	2.300	3.300
54	STATIC	LC	>30.0	.	.		.	.	8.6	7.100	10.400
55	STATIC	LC	>30.0	.	.		.	.	10.0	8.500	11.800
56	STATIC	LC	>30.0	.	.		.	.	10.4	7.300	14.900
57	STATIC	LC	38.8	33.200	45.400		.	.	7.0	5.400	9.000
58	STATIC	LC	>30.0	.	.		.	.	8.3	7.000	9.800
59	STATIC	LC	>30.0	.	.		.	.	8.0	5.800	11.700

DNOC

CAS # 534-52-1 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	21.0	7.1	44
2	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
3	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
4	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	13.0	7.1	44
5	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.	145.0	100.000	210.000		.	.
2	STATIC	LC	2400.	2000.000	2800.000		.	.	1100.	730.000	1600.000
3	STATIC	LC	820.	640.000	1500.000		.	.	320.	230.000	450.000
4	STATIC	LC	120.	80.000	178.000		.	.	66.	37.000	117.000
5	STATIC	LC	700.	609.000	805.000		.	.	360.	331.000	392.000

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                                                                 DODINE
   CAS # 2439-10-3    PRINCIPAL USE:  FUNGICIDE                            MEASURED IN MG /L

                   CHEMICAL                                                                                DEG.  HARDNESS
OBS               DESCRIPTION                    SPECIES           SIZE        WEIGHT                     CENT. PH  MG/L

  1  97.60% TECHNICAL MATERIAL         GAMMARUS FASCIATUS        MATURE          .                        15.0  7.1    44




      _ TEST TYPE _             ___ 24 HOUR ___                   ___ 48 HOUR ___                   ___ 96 HOUR ___
OBS                                   CONFIDENCE  INTERVAL              CONFIDENCE  INTERVAL              CONFIDENCE  INTERVAL

  1  STATIC       LC             1.5       .          .                     .          .          1.1       .          .
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CAS # PRINCIPAL USE: CORROSION INHIBITOR-OIL FIELD SERVICE DOWELL A170 MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	CUTTHROAT TROUT		1.30	12.0	7.4	34

OBS	TEST TYPE		24 HOUR CONFIDENCE INTERVAL		48 HOUR CONFIDENCE INTERVAL		96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	.	.	.	.	1000.000	10000.000

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                                                                  DOWELL F75A
   CAS #               PRINCIPAL USE:  SURFACTANT-OIL FIELD SERVICE           MEASURED IN UG /L

                  CHEMICAL                                                                        DEG.  HARDNESS
OBS              DESCRIPTION                SPECIES          SIZE       WEIGHT                    CENT. PH  MG/L

  1  100.0% COMMERCIAL FORMULATION   CUTTHROAT TROUT                     1.30                     12.0  7.4    44




OBS  _ TEST TYPE _           __ 24 HOUR __                 __ 48 HOUR __                 __ 96 HOUR __
                                   CONFIDENCE  INTERVAL          CONFIDENCE  INTERVAL          CONFIDENCE  INTERVAL

  1  STATIC        LC                  .          .                  .          .     >50000       .          .
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DOWELL F75N

CAS #　　PRINCIPAL USE: SURFACTANT-OIL FIELD SERVICE　　MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	CUTTHROAT TROUT		1.30	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	>50000	.	.

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                                                                    DOWELL L47
    CAS #              PRINCIPAL USE:  SCALE INHIBITOR-OIL      SERVICE          MEASURED IN UG /L

                   CHEMICAL                                                                         DEG.  HARDNESS
 OBS              DESCRIPTION                  SPECIES            SIZE       WEIGHT                 CENT.  PH  MG/L

   1  100.0% COMMERCIAL FORMULATION    CUTTHROAT TROUT                        1.30                  12.0  7.4    44
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 OBS   __ TEST TYPE __          ___ 24 HOUR ___              ___ 48 HOUR ___              ___ 96 HOUR ___
                                     CONFIDENCE INTERVAL          CONFIDENCE INTERVAL          CONFIDENCE INTERVAL

   1  STATIC        LC                  .          .                 .          .     >50000       .          .
```

DOWELL M38N

CAS # PRINCIPAL USE: SILICATE CONTROL-OIL FIELD SERVICE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.30	12.0	7.4	44
2	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.64	15.0	7.5	38
3	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.64	10.0	7.4	170
4	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.62	5.0	7.5	38
5	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT	EYED EGG	.	10.0	7.2	170
6	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT	YOLK-SAC FRY	.	10.0	7.2	170

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.		100.000	1000.000
2	STATIC	LC	770.	655.000	905.000		.	.	630.	535.000	742.000
3	STATIC	LC	710.	586.000	860.000		.	.	460.	392.000	540.000
4	STATIC	LC	770.	620.000	951.000		.	.	430.	357.000	518.000
5	STATIC	LC		.	.		.	.	1650.	1146.000	2375.000
6	STATIC	LC	555.	441.000	698.000		.	.	282.	244.000	325.000

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                                                                                DOWELL W35
      CAS #              PRINCIPAL USE:  EMULSION & SLUDGE PREVENTOR-OIL FIELD SERVICE      MEASURED IN UG /L

                       CHEMICAL                                                                                              DEG.  HARDNESS
  OBS                DESCRIPTION                        SPECIES              SIZE       WEIGHT                              CENT. PH  MG/L

    1  100.0% COMMERCIAL FORMULATION    CUTTHROAT TROUT                           1.30                              12.0  7.4    44



  OBS   __ TEST TYPE __          ___ 24 HOUR ___                    ___ 48 HOUR ___                    ___ 96 HOUR ___
                                         CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL

    1  STATIC        LC                          .           .                       .           .              1000.000    10000.000
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DOWICIL 75

CAS # 4080-31-3   PRINCIPAL USE: ANTIMICROBIAL AGENT   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	67.50% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.30	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	>50000	.	.

CAS # 584-79-2 PRINCIPAL USE: INSECTICIDE

D-TRANS ALLETHRIN
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT			DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	COHO SALMON		1.00			12.0	7.4	40
2	90.00% TECHNICAL MATERIAL	COHO SALMON	FINGERLING	.			12.0	7.6	314
3	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60			12.0	7.4	40
4	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	STEELHEAD	STRAIN	12.0	7.4	40
5	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	STEELHEAD	STRAIN	12.0	7.6	314
6	90.00% TECHNICAL MATERIAL	LAKE TROUT		0.50			12.0	7.4	40
7	90.00% TECHNICAL MATERIAL	LAKE TROUT	FINGERLING	.			12.0	7.6	314
8	90.00% TECHNICAL MATERIAL	NORTHERN PIKE	FINGERLING	.			12.0	7.6	314
9	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80			12.0	7.6	314
10	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.10			12.0	7.5	320
11	90.00% TECHNICAL MATERIAL	WHITE SUCKER	FINGERLING	.			12.0	7.6	314
12	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60			12.0	7.4	40
13	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.90			12.0	7.6	314
14	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			12.0	7.4	40
15	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			17.0	7.4	40
16	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			22.0	7.4	40
17	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			12.0	6.5	40
18	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			12.0	9.5	40
19	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			12.0	6.6	12
20	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			12.0	7.8	170
21	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			12.0	8.2	300
22	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			12.0	6.5	40
23	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			12.0	7.5	40
24	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80			12.0	9.5	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	25.7	22.300	29.700		.	.	22.2	20.600	23.900
2	FLOW THROUGH	LC	23.0	18.700	28.200		.	.	2.6	1.800	3.500
3	STATIC	LC	13.9	11.800	17.300		.	.	13.9	11.800	17.900
4	STATIC	LC	18.7	13.800	25.600		.	.	17.5	13.100	23.400
5	FLOW THROUGH	LC	17.5	10.900	28.200		.	.	9.7	8.000	11.600
6	STATIC	LC	17.3	14.900	20.000		.	.	17.3	14.900	20.000
7	FLOW THROUGH	LC	19.0	16.500	21.700		.	.	16.0	14.300	17.800
8	FLOW THROUGH	LC	>5.0	.	.		.	.	3.3	3.000	3.600
9	FLOW THROUGH	LC	>80.0	.	.		.	.	48.0	34.900	66.000
10	FLOW THROUGH	LC	>100.	.	.		.	.	69.0	53.800	88.400
11	FLOW THROUGH	LC	28.7	23.200	35.500		.	.	12.4	10.500	14.600
12	STATIC	LC	>30.0	.	.		.	.	>30.0	.	.
13	FLOW THROUGH	LC	48.0	38.100	60.500		.	.	27.0	22.400	32.600
14	STATIC	LC	56.0	44.500	70.500		.	.	47.0	39.800	55.500
15	STATIC	LC	74.0	60.000	91.300		.	.	47.0	40.000	55.200
16	STATIC	LC	70.0	55.100	88.900		.	.	35.0	31.400	39.000
17	STATIC	LC	57.0	47.600	67.300		.	.	56.0	47.300	66.300
18	STATIC	LC	66.0	57.600	75.600		.	.	60.0	52.100	69.100
19	STATIC	LC	51.0	42.300	61.500		.	.	49.0	42.700	56.200
20	STATIC	LC	53.0	44.500	63.100		.	.	49.0	42.700	56.200
21	STATIC	LC	47.0	39.900	55.300		.	.	42.5	33.400	54.100
22	7 DAY DEGRA	LC	40.0	36.000	44.400		.	.	40.0	36.000	44.400
23	7 DAY DEGRA	LC	34.3	30.800	38.200		.	.	34.3	30.800	38.200
24	7 DAY DEGRA	LC	99.0	83.600	117.200		.	.	74.0	64.500	85.900

D-TRANS ALLETHRIN
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	7.5	314
26	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.4	40
27	90.00% TECHNICAL MATERIAL	SMALLMOUTH BASS	FINGERLING	.	12.0	7.5	314
28	90.00% TECHNICAL MATERIAL	LARGEMOUTH BASS	FINGERLING	.	12.0	7.5	314
29	90.00% TECHNICAL MATERIAL	YELLOW PERCH	FINGERLING	.	12.0	7.5	314

BEST COPY AVAILABLE

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	FLOW THROUGH	LC	38.0	33.600	43.000		.	.	22.5	20.500	24.700
26	STATIC	LC	56.0	44.500	70.500		.	.	56.0	44.500	70.500
27	FLOW THROUGH	LC	10.5	9.300	11.900		.	.	7.7	5.800	10.200
28	FLOW THROUGH	LC	>12.0	.	.		.	.	>12.0	.	.
29	FLOW THROUGH	LC		9.300	14.100		.	.	9.9	9.200	10.700

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                                                                        EMCOL AD-410
    CAS #              PRINCIPAL USE:  EMULSIFIER                                     MEASURED IN MG /L

                     CHEMICAL                                                                                    DEG.   HARDNESS
OBS                DESCRIPTION                   SPECIES              SIZE         WEIGHT                        CENT.  PH   MG/L

  1   100.0% COMMERCIAL FORMULATION   RAINBOW TROUT                              0.90                        12.0   7.4     44
  2   100.0% COMMERCIAL FORMULATION   RAINBOW TROUT                              0.90                        17.0   7.4     44
  3   100.0% COMMERCIAL FORMULATION   BLUEGILL                                   0.90                        12.0   7.4     44


      __ TEST TYPE __            ___ 24 HOUR ___                      ___ 48 HOUR ___                      ___ 96 HOUR ___
OBS                                       CONFIDENCE  INTERVAL                  CONFIDENCE  INTERVAL                  CONFIDENCE  INTERVAL

  1   STATIC          LC            9.6        7.100       13.000             .           .            9.0        6.700       12.200
  2   STATIC          LC            9.6        6.900       13.500             .           .            4.5        2.800        7.200
  3   STATIC          LC          >20.0          .            .               .           .           16.5       14.200       19.100
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ENDOSULFAN

CAS # 115-29-7 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	96.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
2	96.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
3	96.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
4	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	2.0	7.1	44
5	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	7.0	7.1	44
6	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	13.0	7.1	44
7	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	18.0	7.1	44
8	96.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	18.0	7.1	44
9	96.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.70	18.0	7.1	44
10	96.00% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	10.0	7.000	14.000		.	.	6.0	4.000	8.000
2	STATIC	LC	9.2	6.800	12.000		.	.	5.8	4.100	8.100
3	STATIC	LC	24.	15.000	37.000		.	.	2.3	1.600	3.300
4	STATIC	LC	13.	12.000	15.000		.	.	2.9	2.600	3.300
5	STATIC	LC	6.2	5.700	6.700		.	.	1.7	1.500	1.900
6	STATIC	LC	4.3	3.700	5.000		.	.	1.4	1.200	1.600
7	STATIC	LC	2.3	2.100	2.500		.	.	1.1	0.970	1.300
8	STATIC	LC	2.4	2.100	2.800		.	.	1.5	1.100	2.000
9	STATIC	LC	1.8	1.500	2.000		.	.	1.5	1.300	1.700
10	STATIC	LC	3.3	2.300	4.800		.	.	1.2	0.900	1.700

CAS # 145-73-3 PRINCIPAL USE: HERBICIDE

ENDOTHALL

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	17.50% GRANULAR FORMULATION	RAINBOW TROUT		1.80	12.0	7.4	40
2	17.50% GRANULAR FORMULATION	CHANNEL CATFISH		1.00	22.0	7.4	40
3	17.50% GRANULAR FORMULATION	BLUEGILL		0.80	22.0	7.4	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	2.8	2.300	3.400		.	.	1.8	1.200	2.500
2	STATIC	LC	3.4	2.400	4.700		.	.	2.1	1.400	2.900
3	STATIC	LC	>10.	.	.		.	.	4.3	3.100	6.000

ENDOTHALL AQUATHOL K

CAS # 2164-07-0   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	40.30% LIQUID CONCENTRATE	COHO SALMON		1.40	13.0	7.1	44
2	40.30% LIQUID CONCENTRATE	RAINBOW TROUT		1.20	13.0	7.1	44
3	40.30% LIQUID CONCENTRATE	RAINBOW TROUT		1.80	12.0	7.4	44
4	40.30% LIQUID CONCENTRATE	CHANNEL CATFISH		0.40	12.0	7.4	44
5	40.30% LIQUID CONCENTRATE	CHANNEL CATFISH		1.00	22.0	7.4	44
6	40.30% LIQUID CONCENTRATE	BLUEGILL		1.30	7.0	7.5	44
7	40.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	7.5	44
8	40.30% LIQUID CONCENTRATE	BLUEGILL		1.30	17.0	7.5	44
9	40.30% LIQUID CONCENTRATE	BLUEGILL		1.30	22.0	7.5	44
10	40.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	6.5	44
11	40.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	7.5	44
12	40.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	8.0	44
13	40.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	8.5	44
14	40.30% LIQUID CONCENTRATE	BLUEGILL		1.10	12.0	9.5	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.
2	STATIC	LC	>420.	.	.		.	.	230.	187.000	283.000
3	STATIC	LC	58.	49.000	67.000		.	.	32.	22.000	46.000
4	STATIC	LC	>150.	.	.		.	.	>150.	.	.
5	STATIC	LC	>100.	.	.		.	.	>100.	.	.
6	STATIC	LC	>2000.	.	.		.	.	1740.	1410.000	2150.000
7	STATIC	LC	>1000.	.	.		.	.	1600.	1010.000	2550.000
8	STATIC	LC	>2000.	.	.		.	.	970.	840.000	1120.000
9	STATIC	LC	1830.	1560.000	2150.000		.	.	343.	308.000	383.000
10	STATIC	LC	>1000.	.	.		.	.	1070.	867.000	1320.000
11	STATIC	LC	>1000.	.	.		.	.	1600.	1010.000	2550.000
12	STATIC	LC	>1000.	.	.		.	.	1050.	798.000	1380.000
13	STATIC	LC	>1000.	.	.		.	.	1030.	845.000	1260.000
14	STATIC	LC	>1000.	.	.		.	.	975.	773.000	1230.000

ENDOTHALL COPPER SALT
MEASURED IN MG /L

CAS #   PRINCIPAL USE: HERBICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	25.00% WETTABLE POWDER	RAINBOW TROUT		1.20	13.0	7.1	44
2	25.00% WETTABLE POWDER	GREEN SUNFISH		1.10	18.0	7.4	44
3	25.00% WETTABLE POWDER	GREEN SUNFISH		1.10	18.0	7.7	135
4	25.00% WETTABLE POWDER	BLUEGILL		1.20	18.0	7.7	135

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	0.35	0.270	0.450		.	.	0.14	0.080	0.240
2	STATIC	LC	1.63	1.290	2.200		.	.	1.30	1.000	1.800
3	STATIC	LC	4.28	2.730	6.710		.	.	4.28	2.730	6.710
4	STATIC	LC	6.70	5.330	8.460		.	.	3.33	2.510	4.400

CAS # 26648-01-1   PRINCIPAL USE: HERBICIDE

ENDOTHALL DES-I-CATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	5.50 % LIQUID CONCENTRATE	RAINBOW TROUT		2.00	13.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	0.50	.	.		.	.	0.31	.	.

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                                                                                        ENDOTHALL HERBICIDE 282
     CAS #               PRINCIPAL USE:  HERBICIDE                                                MEASURED IN MG /L

                          CHEMICAL                                                                                          DEG.  HARDNESS
 OBS                    DESCRIPTION                   SPECIES                SIZE        WEIGHT                             CENT.  PH   MG/L

   1  67.90% LIQUID CONCENTRATE          RAINBOW TROUT                                   1.20                              13.0  7.1     44
   2  67.90% LIQUID CONCENTRATE          BLUEGILL                                        0.50                              24.0  7.1     44



       _ TEST TYPE _              ___ 24 HOUR ___                     ___ 48 HOUR ___                     ___ 96 HOUR ___
 OBS                                       CONFIDENCE  INTERVAL                  CONFIDENCE  INTERVAL                  CONFIDENCE  INTERVAL

   1  STATIC        LC             1.15       .           .                         .           .          0.98       .           .
   2  STATIC        LC             1.25       .           .                         .           .          1.20       .           .
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CAS # PRINCIPAL USE: HERBICIDE

ENDOTHALL HYDROTHOL 47
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	66.70% LIQUID CONCENTRATE	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	1.50	0.530	4.200		.	.	0.51	0.280	0.950

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ENDOTHALL HYDROTHOL 191
MEASURED IN MG /L

CAS # 66330-88-9 PRINCIPAL USE: HERBICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	53.00% LIQUID CONCENTRATE	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.4	272
2	53.00% LIQUID CONCENTRATE	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
3	53.00% LIQUID CONCENTRATE	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
4	53.00% LIQUID CONCENTRATE	CUTTHROAT TROUT		1.00	10.0	7.4	162
5	53.00% LIQUID CONCENTRATE	RAINBOW TROUT		1.20	13.0	7.1	44
6	53.00% LIQUID CONCENTRATE	FATHEAD MINNOW		0.60	18.0	7.1	44
7	53.00% LIQUID CONCENTRATE	CHANNEL CATFISH		0.30	18.0	7.1	44
8	53.00% LIQUID CONCENTRATE	BLUEGILL		0.50	24.0	7.1	44
9	53.00% LIQUID CONCENTRATE	FOWLERS TOAD	TADPOLE	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	2.00	1.600	2.700		.	.	0.50	0.370	0.670
2	STATIC	LC	>0.10	.	.		.	.	0.05	0.020	0.120
3	STATIC	LC	5.75	.	.	3.25	.	.		.	.
4	STATIC	LC	0.18	0.120	0.270		.	.	0.18	0.120	0.270
5	STATIC	LC	0.81	.	.		.	.	0.56	.	.
6	STATIC	LC	1.90	.	.		.	.	0.75	.	.
7	STATIC	LC	2.10	.	.		.	.	0.49	.	.
8	STATIC	LC	1.15	.	.		.	.	0.94	.	.
9	STATIC	LC	3.20	1.700	5.500		.	.	1.20	0.400	3.400

CAS #   PRINCIPAL USE: HERBICIDE

ENDOTHALL POTASSIUM SALT
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	40.30% LIQUID CONCENTRATE	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
2	40.30% LIQUID CONCENTRATE	RAINBOW TROUT		1.20	13.0	7.1	44
3	40.30% LIQUID CONCENTRATE	BLUEGILL		0.30	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	313.	.	.		.	.	313.	.	.
2	STATIC	LC	>560.	.	.		.	.	450.	.	.
3	STATIC	LC	>580.	.	.		.	.	440.	.	.

ENDRIN

CAS # 72-20-8 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.1	44
2	99.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.4	48
3	99.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.4	48
4	99.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
5	99.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
6	99.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
7	99.00% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.1	44
8	99.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.1	44
9	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
10	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
11	99.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
12	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	IMMATURE 3-5WK	.	21.0	7.4	272
13	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	MATURE	.	21.0	7.4	272
14	99.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
15	99.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
16	99.00% TECHNICAL MATERIAL	ACRONEURIA SP.	2ND YEAR CLASS	.	15.0	7.1	44
17	99.00% TECHNICAL MATERIAL	CLAASSENIA SABULOSA	2ND YEAR CLASS	.	15.0	7.1	44
18	99.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	2ND YEAR CLASS	.	15.0	7.1	44
19	99.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
20	99.00% TECHNICAL MATERIAL	BAETIS SP.	LATE INSTAR	.	15.0	7.1	44
21	99.00% TECHNICAL MATERIAL	HEXAGENIA BILINEATA	LATE INSTAR	.	15.0	7.1	44
22	99.00% TECHNICAL MATERIAL	ISCHNURA VERTICALIS	EARLY INSTAR	.	21.0	7.1	44
23	99.00% TECHNICAL MATERIAL	ISCHNURA VERTICALIS	LATE INSTAR	.	21.0	7.4	272
24	99.00% TECHNICAL MATERIAL	ATHERIX VARIEGATA	LATE INSTAR	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	4.2	.	.		.	.
2	STATIC	EC		.	.	74.	48.000	113.000		.	.
3	STATIC	EC		.	.	41.	23.000	73.000		.	.
4	STATIC	EC		.	.	20.	13.000	30.000		.	.
5	STATIC	EC		.	.	45.	35.000	58.000		.	.
6	STATIC	EC		.	.	26.	18.000	36.000		.	.
7	STATIC	EC		.	.	1.8	.	.		.	.
8	STATIC	LC	17.	15.000	19.000		.	.	1.5	0.900	3.700
9	STATIC	LC	18.	9.000	36.000		.	.	4.3	3.500	5.200
10	STATIC	LC	10.0	6.000	17.000		.	.	1.3	0.300	2.400
11	STATIC	LC	6.4	4.600	8.900		.	.	3.0	2.000	4.500
12	STATIC	LC	20.	16.000	24.000		.	.	3.2	1.600	7.500
13	STATIC	LC	400.	360.000	480.000		.	.	320.	280.000	410.000
14	STATIC	LC	14.	9.000	24.000		.	.	3.2	1.800	5.800
15	FLOW THROUGH	LC	13.	.	.		.	.	0.5	.	.
16	STATIC	LC	6.2	.	.		.	.	>0.18	.	.
17	STATIC	LC	3.2	2.200	4.600		.	.	0.076	0.062	0.093
18	STATIC	LC	2.8	2.300	3.400		.	.	0.54	0.400	0.720
19	STATIC	LC	4.0	3.000	4.900		.	.	0.25	0.200	0.310
20	STATIC	LC	13.	6.800	25.000		.	.	0.90	0.570	1.400
21	STATIC	LC	290.	183.000	460.000		.	.	62.	41.000	95.000
22	STATIC	LC	4.5	2.800	7.200		.	.	2.4	1.500	3.800
23	STATIC	LC	7.8	5.000	12.000		.	.	2.1	1.000	4.300
24	STATIC	LC	340.	238.000	486.000		.	.	4.6	3.100	6.800

ENDRIN

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	99.00% TECHNICAL MATERIAL	TIPULA SP.	EARLY INSTAR	.	15.0	7.1	44
26	99.00% TECHNICAL MATERIAL	COHO SALMON	FINGERLING	.	16.0	7.1	44
27	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.1	44
28	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.1	44
29	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.4	272
30	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	2.0	7.1	44
31	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	7.0	7.1	44
32	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	44
33	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	18.0	7.1	44
34	99.00% TECHNICAL MATERIAL	GOLDFISH	FINGERLING	.	12.0	7.6	314
35	99.00% TECHNICAL MATERIAL	CARP	FINGERLING	.	12.0	7.6	314
36	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.1	44
37	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	12.0	7.6	314
38	99.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.50	24.0	7.1	44
39	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		5.20	18.0	7.1	44
40	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	24.0	7.1	44
41	99.00% TECHNICAL MATERIAL	MOSQUITOFISH		0.60	17.0	7.1	44
42	99.00% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.1	44
43	99.00% TECHNICAL MATERIAL	BLUEGILL		0.50	18.0	7.4	272
44	99.00% TECHNICAL MATERIAL	BLUEGILL		1.30	7.0	7.1	44
45	99.00% TECHNICAL MATERIAL	BLUEGILL		1.30	13.0	7.1	44
46	99.00% TECHNICAL MATERIAL	BLUEGILL		1.30	18.0	7.1	44
47	99.00% TECHNICAL MATERIAL	BLUEGILL		1.30	24.0	7.1	44
48	99.00% TECHNICAL MATERIAL	BLUEGILL		1.30	29.0	7.1	44

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OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	63.	34.000	117.000		.	.	12.	7.300	18.000
26	STATIC	LC	0.76	.	.		.	.	0.089	.	.
27	STATIC	LC	1.0	.	.		.	.	>1.0	.	.
28	STATIC	LC	1.2	1.000	1.600		.	.	0.75	0.640	0.880
29	STATIC	LC	1.2	0.900	1.600		.	.	0.74	0.630	0.870
30	STATIC	LC	14.5	11.900	17.700		.	.	2.4	2.000	3.000
31	STATIC	LC	5.2	4.600	5.800		.	.	1.4	1.200	1.600
32	STATIC	LC	2.8	2.600	3.100		.	.	1.11	0.970	1.250
33	STATIC	LC	1.5	1.300	1.700		.	.	0.75	0.640	0.890
34	FLOW THROUGH	LC	>0.80	.	.		.	.	0.44	0.290	0.660
35	FLOW THROUGH	LC	>1.03	.	.		.	.	0.32	0.250	0.410
36	STATIC	LC	2.6	2.000	3.400		.	.	1.8	1.000	3.000
37	FLOW THROUGH	LC	>0.80	.	.		.	.	0.24	0.160	0.360
38	STATIC	LC	1.5	1.300	1.600		.	.	1.13	1.020	1.260
39	STATIC	LC	3.4	.	.		.	.	1.9	1.700	2.100
40	STATIC	LC	0.44	0.390	0.490		.	.	0.32	0.290	0.350
41	STATIC	LC	4.0	0.200	7.600		.	.	1.1	0.400	3.400
42	STATIC	LC	0.65	0.530	0.790		.	.	0.61	0.500	0.740
43	STATIC	LC	1.8	1.500	2.100		.	.	0.53	0.440	0.640
44	STATIC	LC	6.2	5.000	7.800		.	.	0.73	0.580	0.910
45	STATIC	LC	3.2	2.800	3.500		.	.	0.68	0.570	0.820
46	STATIC	LC	1.4	1.200	1.600		.	.	0.41	0.320	0.510
47	STATIC	LC	0.81	0.690	0.940		.	.	0.37	0.250	0.410
48	STATIC	LC	0.33	0.280	0.380		.	.	0.19	0.160	0.210

ENDRIN

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	99.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		2.50	18.0	7.4	272
50	99.00% TECHNICAL MATERIAL	YELLOW PERCH	FINGERLING	.	12.0	7.6	314
51	99.00% TECHNICAL MATERIAL	TILAPIA		1.10	24.0	7.1	44
52	99.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	15.0	7.1	44
53	99.00% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
49	STATIC	LC	1.1	0.800	1.300		.	.	0.31	0.250	0.390
50	FLOW THROUGH	LC	0.80	.	.		.	.	0.15	0.120	0.180
51	STATIC	LC	<5.6	.	.		.	.	<5.6	.	.
52	STATIC	LC	570.	330.000	1300.000		.	.	120.	33.000	600.000
53	STATIC	LC	290.	180.000	450.000		.	.	180.	90.000	500.000

EPN

CAS # 2104-64-5 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
2	100.0% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
3	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
4	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.1	44
5	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.4	272
6	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.4	272
7	100.0% TECHNICAL MATERIAL	NORTHERN PIKE		0.50	18.0	7.4	272
8	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.10	18.0	7.1	44
9	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.1	44
10	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		1.00	18.0	7.4	272
11	100.0% TECHNICAL MATERIAL	WALLEYE		0.80	18.0	7.4	272

OBS	__ TEST TYPE __		___ 24 HOUR ___	CONFIDENCE	INTERVAL	___ 48 HOUR ___	CONFIDENCE	INTERVAL	___ 96 HOUR ___	CONFIDENCE	INTERVAL
1	STATIC	LC	48.	35.000	58.000		.	.	6.8	3.500	13.300
2	STATIC	LC	10.9	7.200	16.400		.	.	0.57	0.430	0.760
3	STATIC	LC	18.0	13.400	24.100		.	.	7.4	5.500	10.000
4	STATIC	LC	240.	220.000	260.000		.	.	160.	150.000	170.000
5	STATIC	LC	230.	200.000	260.000		.	.	150.	130.000	170.000
6	STATIC	LC	220.	200.000	241.000		.	.	210.	192.000	230.000
7	STATIC	LC	460.	356.000	594.000		.	.		.	.
8	STATIC	LC	490.	385.000	624.000		.	.	420.	351.000	502.000
9	STATIC	LC	370.	341.000	402.000		.	.	110.	85.000	141.000
10	STATIC	LC	560.	494.000	635.000		.	.	380.	346.000	417.000
11	STATIC	LC	500.	447.000	559.000		.	.	350.	333.000	368.000

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EPTC

CAS # 759-94-4 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.4	272
2	98.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
3	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	10.0	7.1	44
4	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	5.0	7.1	44
5	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	15.0	7.1	44
6	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.10	10.0	6.5	44
7	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	7.5	44
8	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	8.5	44
9	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	7.8	44
10	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	7.8	170
11	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	7.6	300
12	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.80	10.0	7.1	44
13	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.80	10.0	7.1	44
14	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.80	10.0	7.1	44
15	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.80	10.0	7.1	44
16	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.80	10.0	7.1	44
17	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		4.20	10.0	7.4	206
18	98.00% TECHNICAL MATERIAL	LAKE TROUT		0.30	10.0	7.0	44
19	98.00% TECHNICAL MATERIAL	LAKE TROUT		1.50	5.0	7.0	44
20	98.00% TECHNICAL MATERIAL	LAKE TROUT		1.50	10.0	7.0	44
21	98.00% TECHNICAL MATERIAL	LAKE TROUT		0.70	10.0	6.5	44
22	98.00% TECHNICAL MATERIAL	LAKE TROUT		0.90	10.0	7.5	44
23	98.00% TECHNICAL MATERIAL	LAKE TROUT		0.70	10.0	8.5	44
24	98.00% TECHNICAL MATERIAL	LAKE TROUT		1.60	10.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	43.	26.000	75.000		.	.	23.	15.000	36.000
2	STATIC	LC	>56.	.	.		.	.	66.	.	.
3	STATIC	LC	22.0	19.000	26.000		.	.	17.2	15.000	19.000
4	STATIC	LC	22.8	18.800	27.700		.	.	19.9	17.600	24.500
5	STATIC	LC	26.0	19.800	34.100		.	.	17.7	15.800	19.800
6	STATIC	LC	20.3	18.000	23.000		.	.	12.5	11.000	15.000
7	STATIC	LC	20.0	17.000	23.000		.	.	14.2	13.000	16.000
8	STATIC	LC	23.7	20.000	28.700		.	.	20.3	18.000	23.000
9	STATIC	LC	25.0	21.000	30.000		.	.	15.9	14.000	18.000
10	STATIC	LC	>20.0	.	.		.	.	15.0	13.000	17.000
11	STATIC	LC	21.0	18.000	24.000		.	.	17.3	15.000	20.000
12	0 DAY DEGRA	LC	19.0	16.400	22.100		.	.	16.5	14.500	18.800
13	7 DAY DEGRA	LC	18.9	14.400	24.800		.	.	16.5	13.000	20.900
14	14 DAY DEGRA	LC	22.8	16.300	31.900		.	.	16.7	12.400	22.400
15	21 DAY DEGRA	LC	20.8	15.500	27.900		.	.	16.8	12.500	22.500
16	28 DAY DEGRA	LC	19.0	14.700	24.600		.	.	16.7	12.500	22.400
17	FLOW THROUGH	LC	>12.0	.	.		.	.	23.3	16.600	32.600
18	STATIC	LC	16.3	15.200	17.300		.	.	11.5	9.900	13.300
19	STATIC	LC	19.7	17.800	21.900		.	.	14.7	13.000	16.600
20	STATIC	LC	16.2	15.200	17.300		.	.	11.5	9.900	13.300
21	STATIC	LC	18.0	16.000	20.200		.	.	15.0	13.400	16.800
22	STATIC	LC	20.7	18.900	22.600		.	.	16.2	14.800	17.700
23	STATIC	LC	18.3	16.200	20.500		.	.	15.0	13.800	16.300
24	STATIC	LC	17.9	16.200	19.800		.	.	12.4	10.500	14.700

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                                                                         EPTC
                                                                                  MEASURED IN MG /L

                     CHEMICAL                                                                                       DEG.  HARDNESS
OBS                 DESCRIPTION                     SPECIES              SIZE       WEIGHT                          CENT.  PH  MG/L

 25  98.00% TECHNICAL MATERIAL        LAKE TROUT                                     1.60                           10.0  7.7   180
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      __ TEST TYPE __           ___ 24 HOUR ___                ___ 48 HOUR ___                 ___ 96 HOUR ___
OBS                                   CONFIDENCE INTERVAL            CONFIDENCE INTERVAL             CONFIDENCE INTERVAL

 25  STATIC        LC          19.6     17.700      21.700                  .          .        12.9     10.900      15.300
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ETHANOL

CAS # 64-17-5 PRINCIPAL USE: SOLVENT

MEASURED IN ML /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% REAGENT GRADE	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.1	44
2	100.0% REAGENT GRADE	RAINBOW TROUT		0.80	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>0.25	.	.		.	.	>0.25	.	.
2	STATIC	LC		.	.		.	.	13.	12.000	16.000

ETHION

CAS # 563-12-2 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.1	44
2	100.0% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
3	100.0% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
4	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
5	100.0% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	15.0	7.1	272
6	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
7	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.1	44
8	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	13.0	7.4	272
9	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.4	272
10	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW	FINGERLING	.	18.0	7.1	44
11	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.20	18.0	7.1	44
12	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.1	44
13	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		2.80	18.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	0.056	0.038	0.082		.	.
2	STATIC	EC		.	.	2.8	1.500	5.300		.	.
3	STATIC	EC		.	.	4.7	3.200	6.900		.	.
4	STATIC	LC	5.6	3.900	8.100		.	.	1.8	1.300	2.400
5	STATIC	LC	>100.	.	.		.	.	5.6	3.200	9.800
6	STATIC	LC	24.	19.000	30.000		.	.	2.8	1.800	4.200
7	STATIC	LC	3200.	2500.000	4200.000		.	.	720.	580.000	900.000
8	STATIC	LC	2400.	1800.000	3100.000		.	.	900.	820.000	990.000
9	STATIC	LC	1100.	670.000	1800.000		.	.	500.	355.000	705.000
10	STATIC	LC	2650.	.	.		.	.	720.	.	.
11	STATIC	LC	30000.	24600.000	36600.000		.	.	7600.	6390.000	9030.000
12	STATIC	LC	700.	461.000	1063.000		.	.	210.	141.000	313.000
13	STATIC	LC	580.	475.000	708.000		.	.	173.	158.000	190.000

ETHOFUMESATE

CAS # 67293-74-7   PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.75	12.0	7.4	40
2	25.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.75	12.0	7.4	40
3	96.00% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.4	40
4	25.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.50	18.0	7.4	40

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OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	2.5	1.000	5.000		.	.	0.75	0.500	1.000
2	STATIC	LC	7.5	5.000	10.000		.	.	0.50	0.100	1.000
3	STATIC	LC	3.0	1.000	7.000		.	.	2.5	1.000	5.000
4	STATIC	LC	7.5	5.000	10.000		.	.	6.5	3.500	9.000

ETHYLAN

CAS # 72-56-0 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.4	44
2	88.00% TECHNICAL MATERIAL	BLUEGILL		0.90	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	9.0	7.000	12.000		.	.	4.4	3.100	6.300
2	STATIC	LC		.	.		.	.	20.	16.000	25.000

CAS # 100-41-4   PRINCIPAL USE: SOLVENT

ETHYLBENZENE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	RAINBOW TROUT		2.40	12.0	7.4	44
2	100.0% LIQUID	CHANNEL CATFISH		0.10	22.0	7.4	44
3	100.0% LIQUID	BLUEGILL		0.20	17.0	7.4	44
4	100.0% LIQUID	BLUEGILL		0.20	22.0	7.4	44
5	100.0% LIQUID	BLUEGILL		0.20	27.0	7.4	44
6	100.0% LIQUID	BLUEGILL		0.20	19.0	6.5	44
7	100.0% LIQUID	BLUEGILL		0.20	19.0	7.5	44
8	100.0% LIQUID	BLUEGILL		0.20	19.0	8.5	44
9	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	12
10	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	44
11	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	162
12	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	300

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	14000.	11000.000	18000.000		.	.	14000.	11000.000	18000.000
2	STATIC	LC	210000	134000.000	330000.000		.	.	210000	134000.000	330000.000
3	STATIC	LC	90000.	65000.000	124000.000		.	.	88000.	63000.000	122000.000
4	STATIC	LC	100000	70000.000	149000.000		.	.	84000.	57000.000	124000.000
5	STATIC	LC	160000	113000.000	226000.000		.	.	140000	93000.000	211000.000
6	STATIC	LC	135000	66000.000	276000.000		.	.	56000.	40000.000	78000.000
7	STATIC	LC	220000	129000.000	376000.000		.	.	86000.	55000.000	134000.000
8	STATIC	LC	285000	189000.000	431000.000		.	.	285000	189000.000	431000.000
9	STATIC	LC	198000	142000.000	277000.000		.	.	135000	113000.000	162000.000
10	STATIC	LC	134000	112000.000	170000.000		.	.	134000	112000.000	170000.000
11	STATIC	LC	80000.	64000.000	101000.000		.	.	80000.	64000.000	101000.000
12	STATIC	LC	135000	113000.000	162000.000		.	.	135000	113000.000	162000.000

ETHYLENE DICHLORIDE
MEASURED IN MG /L

CAS # 107-06-2 PRINCIPAL USE: FUMIGANT

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
2	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.80	13.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.
3	STATIC	LC	225.	.	.		.	.	225.	.	.

ETHYLENE GLYCOL

CAS # 107-21-1 PRINCIPAL USE: SOLVENT

MEASURED IN ML /L

OBS	CHEMICAL DESCRIPTION	SPECIES	▾ SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% REAGENT GRADE	RAINBOW TROUT		0.70	12.0	7.4	44
2	100.0% REAGENT GRADE	RAINBOW TROUT		1.10	12.0	7.4	44
3	100.0% REAGENT GRADE	BLUEGILL		1.20	18.0	7.1	44

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OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	41.	36.000	47.000
2	STATIC	LC		.	.		.	.	16.	14.000	18.000
3	STATIC	LC		.	.		.	.	>100.	.	.

2-ETHYLHEXANOL

CAS # 104-76-7 PRINCIPAL USE: METABOLITE-DEHP

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44
2	100.0% TECHNICAL MATERIAL	BLUEGILL		0.10	20.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	34.	28.000	41.000		.	.
2	STATIC	LC		10.000	33.000		.	.		10.000	33.000

FENAC

CAS # 85-34-7 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	50.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	50.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	50.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
4	50.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.1	44
5	16.10% LIQUID	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.1	44
6	50.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.60	13.0	7.1	44
7	50.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	18.0	7.1	44
8	50.00% TECHNICAL MATERIAL	BLUEGILL		0.90	24.0	7.4	44
9	16.10% LIQUID	BLUEGILL		0.90	24.0	7.4	44
10	50.00% TECHNICAL MATERIAL	REDEAR SUNFISH		3.00	24.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	4.5	3.200	6.300		.	.
2	STATIC	EC		.	.	6.6	4.500	9.600		.	.
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	170.	146.000	197.000		.	.	60.	50.000	70.000
5	STATIC	LC	220.	180.000	260.000		.	.	55.	48.000	62.000
6	STATIC	LC	24.	.	.		.	.	11.	.	.
7	STATIC	LC	14.	.	.	7.5	.	.		.	.
8	STATIC	LC	61.	.	.		.	.	41.	.	.
9	STATIC	LC	26.	.	.		.	.	14.	.	.
10	STATIC	LC	>12.	.	.		.	.	>12.	.	.

FENAMINOSULF

CAS # 140-56-7 PRINCIPAL USE: FUNGICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	89.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
2	89.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
3	89.00% TECHNICAL MATERIAL	COHO SALMON		1.40	13.0	7.1	44
4	89.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	13.0	7.1	44
5	89.00% TECHNICAL MATERIAL	BLUEGILL		0.50	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	18.0	11.000	29.000		.	.	3.7	2.700	5.000
2	STATIC	LC	66.0	50.000	86.000		.	.	24.0	20.000	28.000
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	>60.	.	.		.	.	>60.	.	.
5	STATIC	LC	>100.	.	.		.	.	85.0	72.700	99.300

FENAZAFLOR

CAS # 14255-88-0   PRINCIPAL USE: ACARICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	93.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	13.0	7.4	272
2	93.00% TECHNICAL MATERIAL	BLUEGILL		0.70	18.0	7.4	272
3	93.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	370.	.	.		.	.	210.0	.	.
2	STATIC	LC	380.	.	.		.	.	360.	.	.
3	STATIC	LC	350.	.	.		.	.	330.	.	.

FENBUTATIN-OXIDE

CAS # 13356-08-6 PRINCIPAL USE: ACARICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	50.00% WETTABLE POWDER	RAINBOW TROUT		1.50	7.0	7.4	40
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
3	50.00% WETTABLE POWDER	FATHEAD MINNOW		0.70	17.0	7.4	44
4	50.00% WETTABLE POWDER	CHANNEL CATFISH		1.00	17.0	7.4	44
5	50.00% WETTABLE POWDER	CHANNEL CATFISH		1.00	22.0	7.4	44
6	100.0% TECHNICAL MATERIAL	BLUEGILL		1.20	17.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	14.	9.700	20.000		.	.		.	.
2	STATIC	LC	4.4	3.400	5.800		.	.	1.7	1.300	2.400
3	STATIC	LC	2.8	1.900	4.300		.	.	1.9	1.000	3.500
4	STATIC	LC	3.2	2.000	5.200		.	.	1.5	0.900	2.700
5	STATIC	LC	12.	5.000	29.000		.	.	4.0	2.700	5.600
6	STATIC	LC	13.	11.000	16.000		.	.	4.8	2.500	9.300

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FENITROTHION

CAS # 122-14-5 PRINCIPAL USE: INSECTICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.1	44
2	40.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	40
3	87.30% EMULSIFIABLE CONCENTRATE	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	40
4	95.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
5	95.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	40
6	95.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	6.5	42
7	95.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.5	42
8	95.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	8.5	42
9	95.00% TECHNICAL MATERIAL	SKWALA SP.	NAIAD	.	7.0	7.5	42
10	87.30% EMULSIFIABLE CONCENTRATE	SKWALA SP.	NAIAD	.	7.0	7.5	42
11	95.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	6.5	40
12	95.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	7.5	40
13	95.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	8.5	40
14	95.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.1	44
15	40.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	40
16	95.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	40
17	95.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	17.0	7.4	40
18	95.00% TECHNICAL MATERIAL	COHO SALMON		0.70	12.0	7.5	44
19	87.30% EMULSIFIABLE CONCENTRATE	CUTTHROAT TROUT		0.80	10.0	7.4	206
20	87.30% EMULSIFIABLE CONCENTRATE	CUTTHROAT TROUT		0.[illegible]0	12.0	7.5	42
21	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.[illegible]0	7.0	7.5	42
22	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	12.0	7.5	40
23	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	12.0	6.5	40
24	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	12.0	8.5	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.011	0.005	0.021		.	.
2	STATIC	EC		.	.	0.004	0.003	0.005		.	.
3	STATIC	EC		.	.	0.024	0.020	0.031		.	.
4	STATIC	LC	0.063	0.042	0.094		.	.	0.003	.	.
5	STATIC	LC		.	.		.	.	0.006	0.005	0.008
6	STATIC	LC	0.054	0.038	0.077		.	.	0.004	0.002	0.009
7	STATIC	LC	0.053	0.038	0.075		.	.	0.009	0.006	0.012
8	STATIC	LC	0.056	0.038	0.082		.	.	0.006	0.004	0.009
9	STATIC	LC		.	.		.	.	0.004	0.002	0.005
10	STATIC	LC		.	.		.	.	0.004	0.003	0.006
11	STATIC	LC		.	.		.	.	0.005	0.004	0.006
12	STATIC	LC		.	.		.	.	0.007	0.006	0.009
13	STATIC	LC		.	.		.	.	0.006	0.004	0.007
14	STATIC	LC	0.017	0.010	0.029		.	.	0.004	0.003	0.006
15	STATIC	EC		.	.	0.013	0.012	0.015		.	.
16	STATIC	EC		.	.	0.011	0.005	0.021		.	.
17	STATIC	EC		.	.	0.003	0.002	0.004		.	.
18	STATIC	LC	6.4	5.400	7.600		.	.	5.0	4.100	6.100
19	STATIC	LC	3.85	3.030	4.890		.	.	3.25	2.710	3.890
20	STATIC	LC	3.76	3.220	4.390		.	.	2.80	2.400	3.260
21	STATIC	LC	3.80	3.270	4.410		.	.	2.70	2.160	3.380
22	STATIC	LC	2.93	2.370	3.630		.	.	2.88	2.340	3.550
23	STATIC	LC	3.90	3.350	4.540		.	.	2.77	2.360	3.250
24	STATIC	LC	3.60	2.680	4.830		.	.	2.57	2.060	3.200

FENITROTHION
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	12.0	7.8	40
26	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.4	206
27	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	12.0	7.8	330
28	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	10.0	7.2	44
29	87.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		1.50	10.0	7.2	44
30	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.40	12.0	7.2	40
31	40.00% WETTABLE POWDER	RAINBOW TROUT		1.00	12.0	7.2	40
32	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	7.0	7.4	40
33	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	12.0	7.4	40
34	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	17.0	7.4	40
35	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	6.5	40
36	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.5	40
37	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	8.5	40
38	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.0	40
39	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	12.0	8.1	320
40	87.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.40	10.0	8.1	10
41	87.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.40	10.0	8.1	40
42	87.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.40	10.0	8.1	160
43	87.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.40	10.0	8.1	320
44	87.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		2.00	12.0	7.4	272
45	87.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT	EYED EGG	.	12.0	7.2	40
46	87.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT	FINGERLING	1.00	12.0	7.2	40
47	87.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT	SWIMUP FRY	.	12.0	7.4	40
48	87.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT	YOLK-SAC FRY	.	12.0	7.2	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
25	STATIC	LC	3.40	2.900	3.990		.	.	2.80	2.400	3.260
26	STATIC	LC	3.60	2.660	4.880		.	.	3.60	2.660	4.880
27	STATIC	LC	3.25	2.750	3.840		.	.	2.78	2.380	3.250
28	STATIC	LC	>3.2	.	.		.	.	2.4	2.000	2.900
29	STATIC	LC	>3.2	.	.		.	.	2.4	2.000	2.900
30	STATIC	LC	2.80	2.060	3.810		.	.	1.90	1.400	2.580
31	STATIC	LC	1.6	1.200	2.100		.	.	1.3	1.200	1.400
32	STATIC	LC	1.50	1.020	2.200		.	.	1.00	0.710	1.410
33	STATIC	LC	1.30	0.940	1.810		.	.	1.00	0.710	1.410
34	STATIC	LC	0.84	0.640	1.100		.	.	0.78	0.580	1.060
35	STATIC	LC	3.3	2.890	3.750		.	.	2.3	1.920	2.740
36	STATIC	LC	2.4	2.100	2.740		.	.	2.05	1.680	2.490
37	STATIC	LC	3.3	2.920	3.720		.	.	2.7	2.190	3.310
38	STATIC	LC	2.4	1.990	2.890		.	.	2.0	1.510	2.640
39	STATIC	LC	3.2	2.290	4.460		.	.	2.3	1.760	2.990
40	STATIC	LC	4.3	3.560	5.190		.	.	2.4	1.980	2.910
41	STATIC	LC	4.3	3.560	5.190		.	.	2.40	1.960	2.940
42	STATIC	LC	4.30	3.560	5.190		.	.	2.30	1.800	2.940
43	STATIC	LC	4.30	3.560	5.190		.	.	2.40	1.980	2.910
44	FLOW THROUGH	LC		.	.		.	.	1.30	1.100	1.400
45	STATIC	LC	>100.	.	.		.	.	16.0	8.800	29.000
46	STATIC	LC	2.50	2.000	3.000		.	.	2.40	2.000	2.900
47	STATIC	LC	5.50	4.600	6.600		.	.	2.40	2.000	2.900
48	STATIC	LC	10.0	7.200	14.000		.	.	4.30	3.600	5.100

FENITROTHION
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	40.00% WETTABLE POWDER	ATLANTIC SALMON		0.40	12.0	7.5	44
50	40.00% WETTABLE POWDER	ATLANTIC SALMON		0.40	7.0	7.5	44
51	40.00% WETTABLE POWDER	ATLANTIC SALMON		0.40	12.0	6.5	44
52	40.00% WETTABLE POWDER	ATLANTIC SALMON		0.40	12.0	7.5	44
53	40.00% WETTABLE POWDER	ATLANTIC SALMON		0.40	12.0	8.5	44
54	40.00% WETTABLE POWDER	ATLANTIC SALMON		0.40	12.0	7.5	12
55	95.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.60	12.0	7.5	40
56	95.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	7.5	42
57	95.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	7.5	12
58	95.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	6.5	42
59	95.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	7.5	42
60	95.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	8.5	42
61	95.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	7.0	7.5	42
62	95.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	7.5	42
63	95.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	17.0	7.5	42
64	40.00% WETTABLE POWDER	ATLANTIC SALMON		1.00	12.0	7.5	42
65	40.00% WETTABLE POWDER	ATLANTIC SALMON		1.00	12.0	7.5	42
66	40.00% WETTABLE POWDER	ATLANTIC SALMON		1.00	12.0	7.5	42
67	40.00% WETTABLE POWDER	ATLANTIC SALMON		0.40	17.0	7.5	42
68	40.00% WETTABLE POWDER	BROWN TROUT		1.00	12.0	7.5	44
69	40.00% WETTABLE POWDER	BROWN TROUT		0.50	12.0	7.5	44
70	40.00% WETTABLE POWDER	BROWN TROUT		1.00	7.0	7.5	44
71	40.00% WETTABLE POWDER	BROWN TROUT		1.00	12.0	6.5	44
72	40.00% WETTABLE POWDER	BROWN TROUT		2.00	12.0	7.5	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
49	STATIC	LC	1.7	1.500	2.000		.	.	1.7	1.500	2.000
50	STATIC	LC	1.2	0.900	1.500		.	.	0.6	0.400	0.900
51	STATIC	LC	1.5	1.300	1.700		.	.	1.2	1.000	1.500
52	STATIC	LC	1.2	0.900	1.400		.	.	1.2	0.900	1.400
53	STATIC	LC	1.1	0.800	1.500		.	.	0.9	0.700	1.300
54	STATIC	LC	1.3	1.000	1.700		.	.	1.1	0.800	1.500
55	STATIC	LC	2.6	2.090	3.240		.	.	2.05	1.570	2.680
56	STATIC	LC	2.35	1.900	2.910		.	.	1.21	1.010	1.450
57	STATIC	LC	2.00	1.550	2.580		.	.	1.34	1.030	1.740
58	STATIC	LC	2.45	2.000	3.000		.	.	0.87	0.780	0.970
59	STATIC	LC	2.10	1.690	2.600		.	.	1.00	0.820	1.230
60	STATIC	LC	2.10	1.690	2.600		.	.	1.50	1.230	1.830
61	STATIC	LC	3.70	2.850	4.810		.	.	1.02	0.840	1.240
62	STATIC	LC	2.60	2.090	3.240		.	.	2.05	1.570	2.680
63	STATIC	LC	2.10	1.690	2.600		.	.	1.36	1.130	1.640
64	0 DAY DEGRA	LC		.	.		.	.	0.33	0.180	0.610
65	14 DAY DEGRA	LC		.	.		.	.	0.64	0.460	0.900
66	21 DAY DEGRA	LC		.	.		.	.	0.88	0.710	1.090
67	STATIC	LC	1.77	1.230	2.550		.	.	1.40	1.040	1.890
68	STATIC	LC	3.5	3.000	4.100		.	.	2.2	2.000	2.500
69	STATIC	LC	4.4	3.400	5.500		.	.	3.5	2.800	4.400
70	STATIC	LC	3.9	3.100	4.800		.	.	2.2	1.800	2.900
71	STATIC	LC	3.1	2.700	3.500		.	.	2.1	1.800	2.300
72	STATIC	LC	2.3	1.900	2.800		.	.	1.5	1.300	1.900

FENITROTHION
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
73	40.00% WETTABLE POWDER	BROWN TROUT		2.00	12.0	8.5	44
74	40.00% WETTABLE POWDER	BROWN TROUT		2.00	12.0	9.0	44
75	40.00% WETTABLE POWDER	BROWN TROUT		1.20	12.0	8.0	12
76	40.00% WETTABLE POWDER	BROWN TROUT		1.20	12.0	8.0	44
77	40.00% WETTABLE POWDER	BROWN TROUT		1.20	12.0	8.0	170
78	40.00% WETTABLE POWDER	BROWN TROUT		1.20	12.0	8.0	300
79	40.00% WETTABLE POWDER	BROWN TROUT		1.00	12.0	7.5	44
80	40.00% WETTABLE POWDER	BROWN TROUT		1.00	12.0	7.5	44
81	40.00% WETTABLE POWDER	BROWN TROUT		1.00	12.0	7.5	44
82	40.00% WETTABLE POWDER	BROWN TROUT		1.00	12.0	7.5	44
83	95.00% TECHNICAL MATERIAL	BROOK TROUT		0.40	12.0	7.5	44
84	40.00% WETTABLE POWDER	BROOK TROUT		0.50	17.0	7.5	44
85	40.00% WETTABLE POWDER	BROOK TROUT		0.50	12.0	6.5	44
86	40.00% WETTABLE POWDER	BROOK TROUT		0.40	12.0	7.5	44
87	40.00% WETTABLE POWDER	BROOK TROUT		0.40	12.0	8.5	44
88	40.00% WETTABLE POWDER	BROOK TROUT		0.40	12.0	9.0	44
89	40.00% WETTABLE POWDER	BROOK TROUT		0.50	12.0	8.0	12
90	40.00% WETTABLE POWDER	BROOK TROUT		0.50	12.0	8.0	44
91	40.00% WETTABLE POWDER	BROOK TROUT		0.50	12.0	8.0	170
92	40.00% WETTABLE POWDER	BROOK TROUT		0.50	12.0	8.0	300
93	95.00% TECHNICAL MATERIAL	BROOK TROUT		1.50	12.0	7.5	42
94	40.00% WETTABLE POWDER	BROOK TROUT		0.80	12.0	7.5	42
95	40.00% WETTABLE POWDER	BROOK TROUT		1.00	7.0	7.5	42
96	40.00% WETTABLE POWDER	BROOK TROUT		1.00	17.0	7.5	42

OBS	__ TEST TYPE __		___ 24 HOUR ___	CONFIDENCE	INTERVAL	___ 48 HOUR ___	CONFIDENCE	INTERVAL	___ 96 HOUR ___	CONFIDENCE	INTERVAL
73	STATIC	LC	2.3	1.900	2.900		.	.	2.0	1.500	2.600
74	STATIC	LC	2.2	2.000	2.500		.	.	1.5	1.100	2.000
75	STATIC	LC	3.0	2.600	3.300		.	.	2.1	1.900	2.600
76	STATIC	LC	3.0	2.700	3.300		.	.	2.3	2.100	2.500
77	STATIC	LC	2.9	2.600	3.300		.	.	2.2	2.000	2.400
78	STATIC	LC	2.8	2.300	3.200		.	.	2.3	2.100	2.400
79	0 DAY DEGRA	LC		.	.		.	.	2.4	2.100	2.800
80	7 DAY DEGRA	LC		.	.		.	.	1.7	1.500	2.000
81	14 DAY DEGRA	LC		.	.		.	.	1.4	1.100	1.700
82	21 DAY DEGRA	LC		.	.		.	.	1.4	1.100	1.700
83	STATIC	LC	3.8	3.200	4.500		.	.	2.0	1.600	2.500
84	STATIC	LC	2.0	1.800	2.300		.	.		.	.
85	STATIC	LC	2.0	1.700	2.300		.	.	1.7	1.400	1.900
86	STATIC	LC	2.3	1.800	2.900		.	.	1.7	1.300	2.200
87	STATIC	LC	2.6	1.500	4.600		.	.	1.5	1.100	2.100
88	STATIC	LC	2.1	1.700	2.600		.	.	1.6	1.200	2.000
89	STATIC	LC	2.6	2.100	3.000		.	.	1.4	1.100	1.700
90	STATIC	LC	2.7	2.200	3.200		.	.	2.0	1.700	2.400
91	STATIC	LC	2.7	2.200	3.200		.	.	1.8	1.500	2.100
92	STATIC	LC	2.8	2.600	3.100		.	.	1.4	1.100	1.700
93	STATIC	LC	2.47	2.010	3.030		.	.	1.72	1.390	2.130
94	STATIC	LC	2.40	2.090	2.750		.	.	1.56	1.380	1.770
95	STATIC	LC	3.10	2.720	3.530		.	.	2.12	1.710	2.620
96	STATIC	LC	1.94	1.630	2.310		.	.	1.75	1.510	2.030

FENITROTHION
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
97	40.00% WETTABLE POWDER	BROOK TROUT		1.00	12.0	6.5	42
98	40.00% WETTABLE POWDER	BROOK TROUT		1.00	12.0	7.5	42
99	40.00% WETTABLE POWDER	BROOK TROUT		1.00	12.0	8.5	42
100	40.00% WETTABLE POWDER	BROOK TROUT		1.00	12.0	7.5	42
101	40.00% WETTABLE POWDER	BROOK TROUT		1.00	12.0	7.5	42
102	40.00% WETTABLE POWDER	BROOK TROUT		1.00	12.0	7.5	42
103	40.00% WETTABLE POWDER	BROOK TROUT		1.00	12.0	7.5	12
104	40.00% WETTABLE POWDER	BROOK TROUT		1.00	12.0	7.5	42
105	40.00% WETTABLE POWDER	BROOK TROUT		1.00	12.0	7.5	170
106	95.00% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44
107	40.00% WETTABLE POWDER	CARP		1.10	12.0	7.5	44
108	95.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	20.0	7.2	44
109	95.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.10	18.0	7.4	272
110	87.30% EMULSIFIABLE CONCENTRATE	FATHEAD MINNOW		1.00	20.0	7.2	44
111	95.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	17.0	7.5	40
112	40.00% WETTABLE POWDER	FATHEAD MINNOW		0.90	17.0	7.5	40
113	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.60	18.0	7.1	44
114	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		4.70	20.0	7.2	44
115	87.30% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		4.70	20.0	7.2	44
116	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.20	17.0	7.4	40
117	40.00% WETTABLE POWDER	CHANNEL CATFISH		1.00	22.0	7.4	40
118	87.30% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH	EYED EGG	.	25.0	7.4	40
119	87.30% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH	SWIMUP FRY	.	25.0	7.4	40
120	87.30% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH	YOLK-SAC FRY	.	25.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
97	STATIC	LC	2.11	1.700	2.610		.	.	1.75	1.500	2.050
98	STATIC	LC	3.50	2.580	4.760		.	.	1.82	1.450	2.280
99	STATIC	LC	2.70	2.080	3.500		.	.	1.80	1.430	2.260
100	7 DAY DEGRA	LC		.	.		.	.	1.72	1.480	2.000
101	14 DAY DEGRA	LC		.	.		.	.	1.40	1.130	1.730
102	21 DAY DEGRA	LC		.	.		.	.	1.40	1.130	1.730
103	STATIC	LC	2.60	2.300	2.940		.	.	1.93	1.750	2.130
104	STATIC	LC	3.10	2.600	3.690		.	.	1.88	1.500	2.360
105	STATIC	LC	2.75	2.540	2.980		.	.	1.70	1.240	2.330
106	STATIC	LC	3.6	2.600	4.900		.	.	2.8	1.600	4.700
107	STATIC	LC	12.0	10.200	14.200		.	.	12.0	10.200	14.200
108	STATIC	LC	6.6	5.100	8.600		.	.	3.2	2.400	4.200
109	STATIC	LC	6.5	4.800	8.600		.	.	4.3	2.700	6.700
110	STATIC	LC	6.6	5.100	8.600		.	.	4.8	3.800	6.100
111	STATIC	LC	5.8	4.100	8.200		.	.	4.3	2.320	7.940
112	STATIC	LC	5.05	3.460	7.360		.	.	3.6	2.510	5.160
113	STATIC	LC	6.5	5.500	7.500		.	.	3.7	2.300	5.900
114	STATIC	LC	7.6	6.400	9.100		.	.	4.3	3.600	5.100
115	STATIC	LC	7.6	6.400	9.100		.	.	4.8	3.700	6.200
116	STATIC	LC	7.6	5.990	9.650		.	.	7.60	5.990	9.650
117	STATIC	LC	5.6	4.100	7.700		.	.	4.8	3.500	6.700
118	STATIC	LC	24.0	20.000	29.000		.	.		.	.
119	STATIC	LC	4.00	3.260	4.900		.	.	1.40	1.120	1.760
120	STATIC	LC	4.3	3.600	5.100		.	.	3.8	3.000	4.800

FENITROTHION
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
121	95.00% TECHNICAL MATERIAL	GREEN SUNFISH		0.80	18.0	7.2	44
122	95.00% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.1	44
123	95.00% TECHNICAL MATERIAL	BLUEGILL		0.70	20.0	7.2	44
124	87.30% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.70	20.0	7.2	44
125	40.00% WETTABLE POWDER	BLUEGILL		0.50	12.0	7.5	44
126	40.00% WETTABLE POWDER	BLUEGILL		1.00	12.0	7.5	44
127	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	7.4	40
128	95.00% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	7.1	40
129	40.00% WETTABLE POWDER	BLUEGILL		1.30	22.0	7.4	40
130	95.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	6.5	40
131	95.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.5	40
132	95.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	8.5	40
133	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	9.5	40
134	95.00% TECHNICAL MATERIAL	BLUEGILL		0.40	12.0	7.4	39
135	95.00% TECHNICAL MATERIAL	BLUEGILL		0.40	17.0	7.4	39
136	95.00% TECHNICAL MATERIAL	BLUEGILL		0.40	22.0	7.4	39
137	87.30% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.80	17.0	7.4	40
138	87.30% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.80	22.0	7.4	40
139	87.30% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.80	27.0	7.4	40
140	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	17.0	7.0	40
141	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	17.0	8.0	320
142	87.30% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.90	20.0	7.2	40
143	87.30% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.90	20.0	7.2	40
144	87.30% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.90	20.0	7.2	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
121	STATIC	LC	5.7	5.000	6.600		.	.	4.1	2.900	5.900
122	STATIC	LC	3.2	2.500	4.000		.	.	2.7	1.900	4.000
123	STATIC	LC	6.5	5.400	7.900		.	.	3.8	3.200	4.500
124	STATIC	LC	6.8	5.200	8.700		.	.	3.8	3.200	4.500
125	STATIC	LC	6.1	5.300	7.100		.	.	4.3	3.200	5.000
126	STATIC	LC	12.4	10.800	14.300		.	.	8.0	6.800	9.400
127	STATIC	LC	7.80	5.040	12.100		.	.	3.7	2.490	5.490
128	STATIC	LC	3.80	3.180	4.550		.	.	2.50	1.800	3.470
129	STATIC	LC	3.70	3.000	4.500		.	.	2.40	2.000	2.900
130	STATIC	LC		.	.		.	.	2.7	2.180	3.330
131	STATIC	LC		.	.		.	.	3.1	2.390	4.000
132	STATIC	LC		.	.		.	.	2.5	2.010	3.090
133	STATIC	LC		.	.		.	.	2.0	1.540	2.580
134	STATIC	LC		.	.		.	.	3.2	2.220	4.600
135	STATIC	LC		.	.		.	.	3.6	2.690	4.820
136	STATIC	LC		.	.		.	.	3.4	2.330	4.960
137	STATIC	LC	7.50	6.300	9.000		.	.	4.30	3.600	5.100
138	STATIC	LC	7.50	6.200	9.000		.	.	2.90	2.200	3.900
139	STATIC	LC	5.60	3.900	8.100		.	.	1.30	0.900	1.700
140	STATIC	LC	4.4	3.440	5.610		.	.	4.1	3.100	5.410
141	STATIC	LC	4.7	3.700	5.960		.	.	2.50	1.880	3.320
142	0 DAY DEGRA	LC	7.5	6.300	9.000		.	.	4.3	3.600	5.100
143	1 DAY DEGRA	LC	7.5	6.300	9.000		.	.	4.3	3.600	5.100
144	3 DAY DEGRA	LC	7.5	6.300	9.000		.	.	4.3	3.600	5.100

FENITROTHION
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
145	87.30% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.90	20.0	7.2	40
146	87.30% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.20	22.0	7.4	272
147	87.30% EMULSIFIABLE CONCENTRATE	BLUEGILL		2.70	22.0	7.4	272
148	95.00% TECHNICAL MATERIAL	YELLOW PERCH		2.60	12.0	7.5	40
149	40.00% WETTABLE POWDER	YELLOW PERCH		0.60	12.0	7.5	42
150	40.00% WETTABLE POWDER	YELLOW PERCH		0.90	12.0	7.5	42
151	40.00% WETTABLE POWDER	YELLOW PERCH		0.80	7.0	7.5	42
152	40.00% WETTABLE POWDER	YELLOW PERCH		0.80	12.0	7.5	42
153	40.00% WETTABLE POWDER	YELLOW PERCH		0.80	17.0	7.5	42
154	40.00% WETTABLE POWDER	YELLOW PERCH		0.90	12.0	6.5	42
155	40.00% WETTABLE POWDER	YELLOW PERCH		0.90	12.0	7.5	42
156	40.00% WETTABLE POWDER	YELLOW PERCH		0.90	12.0	8.5	42
157	40.00% WETTABLE POWDER	YELLOW PERCH		0.90	12.0	9.0	42
158	40.00% WETTABLE POWDER	YELLOW PERCH		1.00	12.0	8.0	44
159	40.00% WETTABLE POWDER	YELLOW PERCH		1.00	12.0	8.0	170
160	40.00% WETTABLE POWDER	YELLOW PERCH		1.00	12.0	8.0	300

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
145	7 DAY DEGRA	LC	7.5	6.300	9.000		.	.	4.4	3.400	5.600
146	FLOW THROUGH	LC		.	.		.	.	2.60	2.300	2.900
147	FLOW THROUGH	LC		.	.		.	.	2.70	2.540	2.900
148	STATIC	LC	6.3	5.130	7.740		.	.	5.8	4.310	7.800
149	STATIC	LC	4.00	3.500	4.630		.	.	2.70	2.200	3.360
150	STATIC	LC	5.30	4.370	6.430		.	.	4.70	3.810	5.800
151	STATIC	LC	4.55	3.510	5.900		.	.	2.55	2.120	3.070
152	STATIC	LC	3.90	3.130	4.860		.	.	3.50	2.830	4.330
153	STATIC	LC	3.50	2.830	4.320		.	.	2.95	2.260	3.850
154	STATIC	LC	5.20	4.100	6.540		.	.	4.80	3.910	5.890
155	STATIC	LC	5.20	3.850	7.030		.	.	2.90	2.290	3.670
156	STATIC	LC	3.95	3.340	4.680		.	.	3.50	2.720	4.500
157	STATIC	LC	4.60	4.080	5.190		.	.	3.20	2.310	4.430
158	STATIC	LC	5.25	4.610	6.250		.	.	3.90	3.000	5.070
159	STATIC	LC	4.85	3.800	6.200		.	.	2.00	1.480	2.700
160	STATIC	LC	5.25	4.370	6.310		.	.	3.70	2.900	4.710

FENSON

CAS # 80-38-6 PRINCIPAL USE: ACARICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	50.00% WETTABLE POWDER	RAINBOW TROUT		0.70	13.0	7.1	44
2	50.00% WETTABLE POWDER	BLUEGILL		0.50	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	10.7	7.300	15.700		.	.	6.6	5.500	8.000
2	STATIC	LC	8.5	6.500	11.200		.	.	5.1	3.600	7.300

CAS # 115-90-2   PRINCIPAL USE: INSECTICIDE

FENSULFOTHION
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	88.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
2	96.00% TECHNICAL MATERIAL	BLUEGILL		0.90	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	47.0	27.400	80.500		.	.	10.0	7.000	14.300
2	STATIC	LC	150.	.	.		.	.	72.	.	.

FENTHION

CAS # 55-38-9 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	97.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	97.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
3	46.00% SPRAY CONCENTRATE	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.1	44
4	97.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	21.0	7.1	44
5	97.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	17.0	7.1	44
6	97.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
7	97.00% TECHNICAL MATERIAL	ORCONECTES NAIS	IMMATURE 3-5WK	.	21.0	7.4	272
8	97.00% TECHNICAL MATERIAL	ORCONECTES NAIS	MATURE	.	21.0	7.4	272
9	97.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.1	272
10	97.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	10.0	7.2	170
11	97.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
12	46.00% SPRAY CONCENTRATE	COHO SALMON		0.40	13.0	7.1	44
13	97.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.40	10.0	6.0	44
14	97.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.20	10.0	7.5	44
15	97.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	8.5	162
16	97.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.20	10.0	9.0	44
17	97.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		4.50	12.0	7.4	162
18	97.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.1	44
19	46.00% SPRAY CONCENTRATE	RAINBOW TROUT		1.00	13.0	7.1	44
20	46.00% SPRAY CONCENTRATE	BROWN TROUT		1.10	13.0	7.1	44
21	97.00% TECHNICAL MATERIAL	LAKE TROUT		2.00	12.0	6.0	44
22	97.00% TECHNICAL MATERIAL	LAKE TROUT		2.30	10.0	7.5	44
23	97.00% TECHNICAL MATERIAL	LAKE TROUT		0.30	12.0	8.5	162
24	46.00% SPRAY CONCENTRATE	NORTHERN PIKE		0.50	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	0.80	0.560	1.200		.	.
2	STATIC	EC		.	.	0.62	0.440	0.870		.	.
3	STATIC	EC		.	.	18.	.	.		.	.
4	STATIC	LC	3200.	2800.000	4900.000		.	.	1800.	1100.000	4900.000
5	STATIC	LC	220.0	140.000	300.000		.	.	110.	80.000	150.000
6	STATIC	LC	15.0	12.000	20.000		.	.	8.4	5.000	12.000
7	STATIC	LC	350.0	290.000	460.000		.	.		.	.
8	STATIC	LC	880.0	810.000	940.000		.	.		.	.
9	STATIC	LC	180.	110.000	220.000		.	.	10.	7.100	14.000
10	STATIC	LC		.	.		.	.	10.7	8.500	13.500
11	STATIC	LC	130.	90.000	136.000		.	.	4.5	3.300	6.700
12	STATIC	LC	1600.	1240.000	2060.000		.	.	1320.	1020.000	1680.000
13	STATIC	LC	1500.	1250.000	1790.000		.	.	1020.	830.000	1250.000
14	STATIC	LC	2500.	2240.000	2790.000		.	.	1580.	1290.000	1930.000
15	STATIC	LC	1590.	1370.000	1840.000		.	.	1570.	1020.000	2430.000
16	STATIC	LC	2500.	2240.000	2790.000		.	.	1320.	1110.000	1570.000
17	FLOW THROUGH	LC		.	.		.	.	1150.	1020.000	1300.000
18	STATIC	LC	600.	.	.		.	.	550.	.	.
19	STATIC	LC	1560.	1190.000	2050.000		.	.	930.	750.000	1150.000
20	STATIC	LC	1470.	1210.000	1790.000		.	.	1330.	966.000	1820.000
21	STATIC	LC	1900.	1680.000	2150.000		.	.	1450.	1220.000	1730.000
22	STATIC	LC	1950.	1670.000	2280.000		.	.	1900.	1700.000	2120.000
23	STATIC	LC	1830.	1430.000	2330.000		.	.	1370.	966.000	1950.000
24	STATIC	LC		650.000	2400.000		.	.		.	.

FENTHION
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	46.00% SPRAY CONCENTRATE	GOLDFISH		0.90	18.0	7.1	44
26	46.00% SPRAY CONCENTRATE	GOLDFISH		0.90	18.0	7.4	272
27	46.00% SPRAY CONCENTRATE	CARP		0.50	18.0	7.1	44
28	46.00% SPRAY CONCENTRATE	FATHEAD MINNOW		0.90	18.0	7.1	44
29	46.00% SPRAY CONCENTRATE	FATHEAD MINNOW		1.10	18.0	7.4	272
30	46.00% SPRAY CONCENTRATE	FATHEAD MINNOW		1.20	18.0	7.1	44
31	46.00% SPRAY CONCENTRATE	BLACK BULLHEAD		1.20	18.0	7.1	44
32	46.00% SPRAY CONCENTRATE	BLACK BULLHEAD		1.20	18.0	7.4	272
33	46.00% SPRAY CONCENTRATE	CHANNEL CATFISH		1.10	18.0	7.1	44
34	46.00% SPRAY CONCENTRATE	CHANNEL CATFISH		1.50	18.0	7.4	272
35	46.00% SPRAY CONCENTRATE	GREEN SUNFISH		1.10	18.0	7.1	44
36	46.00% SPRAY CONCENTRATE	GREEN SUNFISH		1.10	18.0	7.4	272
37	46.00% SPRAY CONCENTRATE	GREEN SUNFISH		1.10	18.0	7.1	44
38	46.00% SPRAY CONCENTRATE	BLUEGILL		1.50	18.0	7.1	44
39	97.00% TECHNICAL MATERIAL	BLUEGILL		1.40	18.0	7.4	272
40	46.00% SPRAY CONCENTRATE	LARGEMOUTH BASS		0.90	18.0	7.1	44
41	97.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70	18.0	7.4	272
42	97.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		1.40	18.0	7.4	272
43	46.00% SPRAY CONCENTRATE	YELLOW PERCH		1.40	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	3690.	1960.000	6920.000		.	.	3404.	1775.000	6536.000
26	STATIC	LC	3630.	1930.000	6830.000		.	.	2780.	2048.000	3660.000
27	STATIC	LC	1230.	559.000	2700.000		.	.	1160.	532.000	2550.000
28	STATIC	LC	3260.	2900.000	3600.000		.	.	2440.	1830.000	3270.000
29	STATIC	LC	3170.	2480.000	4080.000		.	.	1680.	1370.000	2060.000
30	STATIC	LC	3490.	2400.000	4870.000		.	.	2870.	2234.000	3690.000
31	STATIC	LC	1760.	1070.000	3160.000		.	.	1350.	1020.000	1800.000
32	FLOW THROUGH	LC	3000.	2000.000	4000.000		.	.	1500.	1000.000	2000.000
33	STATIC	LC	2360.	1950.000	2850.000		.	.	1600.	1250.000	2060.000
34	FLOW THROUGH	LC	2400.	1440.000	5020.000		.	.	650.	310.000	1360.000
35	STATIC	LC	2140.	1175.000	3890.000		.	.	1880.	1600.000	3175.000
36	STATIC	LC	3690.	1960.000	6920.000		.	.	2830.	2050.000	3660.000
37	STATIC	LC	3070.	2500.000	3750.000		.	.	2340.	1750.000	3130.000
38	STATIC	LC	2070.	1820.000	2360.000		.	.	1380.	1080.000	1770.000
39	STATIC	LC	5600.	.	.		.	.	3400.	.	.
40	STATIC	LC	1775.	1595.000	1980.000		.	.	1540.	1430.000	1660.000
41	STATIC	LC	2500.	.	.		.	.	2100.	.	.
42	FLOW THROUGH	LC	1570.	998.000	2480.000		.	.	1220.	736.000	2010.000
43	STATIC	LC	2300.	2080.000	2550.000		.	.	1650.	1350.000	2020.000

FENVALERATE

CAS # 51630-58-1   PRINCIPAL USE: INSECTICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	44
2	90.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	44
3	90.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44
4	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.1	45
5	30.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.70	12.0	7.1	45
6	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	7.0	7.1	40
7	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.1	40
8	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	17.0	7.1	40
9	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	6.5	40
10	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.5	40
11	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	8.5	40
12	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	8.1	40
13	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	8.1	320
14	92.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.2	40
15	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	22.0	7.1	40
16	30.00% EMULSIFIABLE CONCENTRATE	FATHEAD MINNOW		0.80	22.0	7.1	40
17	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	22.0	7.1	40
18	30.00% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		0.70	22.0	7.1	40
19	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	7.4	40
20	30.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.70	22.0	7.4	40
21	90.00% TECHNICAL MATERIAL	BLUEGILL		0.65	12.0	7.5	39
22	90.00% TECHNICAL MATERIAL	BLUEGILL		0.65	17.0	7.5	39
23	90.00% TECHNICAL MATERIAL	BLUEGILL		0.65	22.0	7.5	39
24	90.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	6.5	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	2.1	1.300	3.300		.	.
2	STATIC	LC		.	.		.	.	0.032	0.020	0.050
3	STATIC	EC		.	.	0.43	0.270	0.670		.	.
4	STATIC	LC		.	.		.	.	0.62	0.510	0.750
5	STATIC	LC		.	.		.	.	0.425	0.335	0.539
6	STATIC	LC	0.83	0.660	1.050		.	.	0.32	0.230	0.440
7	STATIC	LC	0.85	0.650	1.110		.	.	0.47	0.360	0.620
8	STATIC	LC	0.89	0.640	1.240		.	.	0.54	0.390	0.750
9	STATIC	LC	2.6	1.900	3.500		.	.	1.2	0.900	1.500
10	STATIC	LC	2.2	1.700	2.800		.	.	1.5	1.100	2.000
11	STATIC	LC	2.3	1.800	3.000		.	.	1.7	1.200	2.400
12	STATIC	LC	1.25	0.960	1.630		.	.	0.76	0.600	0.970
13	STATIC	LC	1.50	1.100	2.040		.	.	0.76	0.600	0.970
14	STATIC	LC	1.4	1.200	1.700		.	.	1.2	0.950	1.500
15	STATIC	LC	2.35	1.850	2.980		.	.	2.35	1.830	3.020
16	STATIC	LC	2.15	1.650	2.810		.	.	2.15	1.650	2.810
17	STATIC	LC		.	.		.	.	2.35	1.850	3.000
18	STATIC	LC	2.5	1.900	3.200		.	.	2.4	1.900	3.000
19	STATIC	LC	0.78	0.610	1.000		.	.	0.76	0.590	0.970
20	STATIC	LC		.	.		.	.	1.4	1.100	1.800
21	STATIC	LC	2.90	2.140	3.920		.	.	1.25	0.960	1.630
22	STATIC	LC	2.10	1.620	2.730		.	.	1.35	1.060	1.720
23	STATIC	LC	2.15	1.640	2.810		.	.	1.33	1.000	1.770
24	STATIC	LC	1.30	1.010	1.670		.	.	0.85	0.640	1.120

FENVALERATE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	90.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	7.5	40
26	90.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	8.5	40
27	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	8.0	40
28	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	8.0	320
29	92.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	7.2	40

BEST COPY AVAILABLE

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	1.50	1.140	1.980		.	.	0.89	0.730	1.080
26	STATIC	LC	1.65	1.170	2.330		.	.	0.85	0.640	1.120
27	STATIC	LC	0.85	0.640	1.130		.	.	0.75	0.590	0.960
28	STATIC	LC	1.05	0.740	1.490		.	.	0.88	0.640	1.210
29	STATIC	LC	0.63	0.470	0.840		.	.	0.42	0.300	0.590

FIRE-TROL 100

CAS #　　PRINCIPAL USE:　FIRE RETARDANT　　MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	62.00% COMMERCIAL FORMULATION	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	18.0	7.4	272
2	62.00% COMMERCIAL FORMULATION	COHO SALMON		1.00	11.0	7.4	44
3	62.00% COMMERCIAL FORMULATION	COHO SALMON		1.00	6.0	7.4	44
4	62.00% COMMERCIAL FORMULATION	COHO SALMON	SWIMUP FRY	.	11.0	7.4	44
5	62.00% COMMERCIAL FORMULATION	COHO SALMON	YOLK-SAC FRY	.	11.0	7.4	44
6	62.00% COMMERCIAL FORMULATION	RAINBOW TROUT		0.80	11.0	7.4	44
7	62.00% COMMERCIAL FORMULATION	RAINBOW TROUT		0.80	6.0	7.4	44
8	62.00% COMMERCIAL FORMULATION	RAINBOW TROUT	SWIMUP FRY	.	11.0	7.4	44
9	62.00% COMMERCIAL FORMULATION	RAINBOW TROUT	YOLK-SAC FRY	.	11.0	7.4	44
10	62.00% COMMERCIAL FORMULATION	FATHEAD MINNOW		0.70	21.0	7.4	44
11	62.00% COMMERCIAL FORMULATION	BLUEGILL		1.00	21.0	7.4	44
12	62.00% COMMERCIAL FORMULATION	LARGEMOUTH BASS		0.50	21.0	7.4	44

BEST COPY AVAILABLE

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>100.0	.	.		.	.	62.0	50.000	85.000
2	STATIC	LC	>1500.	.	.		.	.	>1500.	.	.
3	STATIC	LC	950.	.	.		.	.	780.	602.000	1010.000
4	STATIC	LC	1100.	976.000	1240.000		.	.	920.	806.000	1050.000
5	STATIC	LC	160.	121.000	212.000		.	.	90.	61.000	132.000
6	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
7	STATIC	LC	>1000.	.	.		.	.	1000.	863.000	1200.000
8	STATIC	LC	900.	801.000	1010.000		.	.	780.	709.000	857.000
9	STATIC	LC	158.	120.000	208.000		.	.	150.	85.000	263.000
10	STATIC	LC	>1500.	.	.		.	.	>1500.	.	.
11	STATIC	LC	>1500.	.	.		.	.	>1500.	.	.
12	STATIC	LC	>1500.	.	.		.	.	>1500.	.	.

FIRE-TROL 931
MEASURED IN MG /L

CAS #   PRINCIPAL USE: FIRE RETARDANT

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	93.00% COMMERCIAL FORMULATION	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	18.0	7.4	272
2	93.00% COMMERCIAL FORMULATION	COHO SALMON		1.00	11.0	7.4	44
3	93.00% COMMERCIAL FORMULATION	COHO SALMON		1.00	6.0	7.4	44
4	93.00% COMMERCIAL FORMULATION	COHO SALMON	SWIMUP FRY	.	11.0	7.4	44
5	93.00% COMMERCIAL FORMULATION	COHO SALMON	YOLK-SAC FRY	.	11.0	7.4	44
6	93.00% COMMERCIAL FORMULATION	RAINBOW TROUT		0.80	11.0	7.4	44
7	93.00% COMMERCIAL FORMULATION	RAINBOW TROUT		0.80	6.0	7.4	44
8	93.00% COMMERCIAL FORMULATION	RAINBOW TROUT	SWIMUP FRY	.	11.0	7.4	44
9	93.00% COMMERCIAL FORMULATION	RAINBOW TROUT	YOLK-SAC FRY	.	11.0	7.4	44
10	93.00% COMMERCIAL FORMULATION	FATHEAD MINNOW		0.70	21.0	7.4	44
11	93.00% COMMERCIAL FORMULATION	BLUEGILL		1.00	21.0	7.4	44
12	93.00% COMMERCIAL FORMULATION	LARGEMOUTH BASS		0.50	21.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	55.	48.000	62.000
2	STATIC	LC	1050.	1010.000	1100.000		.	.	1000.	943.000	1060.000
3	STATIC	LC	>1500.	.	.		.	.	1000.	.	.
4	STATIC	LC	1050.	944.000	1170.000		.	.	930.	804.000	1080.000
5	STATIC	LC	>500.	.	.		.	.	580.	410.000	820.000
6	STATIC	LC	>1000.	.	.		.	.	940.	796.000	1110.000
7	STATIC	LC	>1500.	.	.		.	.	1000.	.	.
8	STATIC	LC	800.	728.000	879.000		.	.	790.	717.000	870.000
9	STATIC	LC	>500.	.	.		.	.	700.	404.000	1210.000
10	STATIC	LC	>1500.	.	.		.	.	>1500.	.	.
11	STATIC	LC	>1500.	.	.		.	.	>1500.	.	.
12	STATIC	LC	>1500.	.	.		.	.	1160.	1050.000	1280.000

FLAMPROP-METHYL

CAS # 52756-29-9 PRINCIPAL USE: HERBICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	10.0	7.4	40
2	15.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.20	10.0	7.4	40
3	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	20.0	7.4	40
4	15.00% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		0.60	20.0	7.4	40
5	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	20.0	7.4	40
6	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	20.0	7.4	40
7	15.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.50	20.0	7.4	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	3880.	2609.000	5768.000		.	.	3589.	2688.000	4790.000
2	STATIC	LC	2700.	2079.000	3506.000		.	.	2400.	2012.000	2862.000
3	STATIC	LC	18500.	13643.000	25085.000		.	.	7400.	5664.000	9667.000
4	STATIC	LC	7400.	6195.000	8838.000		.	.	4400.	3702.000	5228.000
5	STATIC	LC	17945.	13234.000	24332.000		.	.	7178.	5494.000	9377.000
6	STATIC	LC	7500.	6280.000	8959.000		.	.	7500.	6448.000	8434.000
7	STATIC	LC	4250.	3581.000	5043.000		.	.	2400.	2012.000	2863.000

1 OF 1

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                                                                       FLIT MLO
      CAS #              PRINCIPAL USE:  MOSQUITO LARVICIDE                               MEASURED IN MG /L

                      CHEMICAL                                                                                  DEG.  HARDNESS
  OBS               DESCRIPTION                  SPECIES             SIZE      WEIGHT                          CENT.  PH  MG/L

    1  100.0% LIQUID             CUTTHROAT TROUT                          2.50                                 12.0  7.4   162
    2  100.0% LIQUID             LAKE TROUT                               2.50                                 12.0  7.4   162



         _ TEST TYPE _           ___ 24 HOUR ___                ___ 48 HOUR ___                ___ 96 HOUR ___
  OBS                                  CONFIDENCE  INTERVAL           CONFIDENCE  INTERVAL           CONFIDENCE  INTERVAL

    1  STATIC         LC                   .         .                    .         .       >700.        .         .
    2  STATIC         LC                   .         .                    .         .       >700.        .         .
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FLUCHLORALIN

CAS # 33245-39-5   PRINCIPAL USE: HERBICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.4	42
2	43.00% EMULSIFIABLE CONCENTRATE	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.5	45
3	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.7	47
4	43.00% EMULSIFIABLE CONCENTRATE	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	41
5	98.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	38
6	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	39
7	43.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		1.00	12.0	7.4	39
8	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	22.0	7.4	40
9	43.00% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		0.60	22.0	7.4	40
10	98.00% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.4	46
11	43.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.60	22.0	7.4	46

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	560.	300.000	900.000		.	.
2	STATIC	EC		.	.	800.	500.000	1200.000		.	.
3	STATIC	LC		.	.		.	.	56.	47.600	65.800
4	STATIC	LC		.	.		.	.	56.6	28.100	150.800
5	STATIC	LC		.	.		.	.	5.6	3.000	10.600
6	STATIC	LC	180.	115.900	279.600		.	.	62.	37.900	101.500
7	STATIC	LC	118.	81.100	171.700		.	.	46.	29.000	73.100
8	STATIC	LC		.	.		.	.	390.	250.000	610.000
9	STATIC	LC		.	.		.	.	120.	89.000	162.000
10	STATIC	LC		.	.		.	.	42.5	33.500	53.900
11	STATIC	LC		.	.		.	.	45.0	33.600	60.300

BEST COPY AVAILABLE

FLUOMETURON

CAS # 2164-17-2   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	96.20% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	41
2	80.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.3	45
3	96.20% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.3	45
4	80.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.3	45
5	98.70% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.1	44
6	96.20% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.5	44
7	80.00% WETTABLE POWDER	RAINBOW TROUT		0.60	12.0	7.5	44
8	98.70% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	18.0	7.1	44
9	96.20% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	22.0	7.5	40
10	80.00% WETTABLE POWDER	CHANNEL CATFISH		1.20	22.0	7.1	40
11	96.20% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.5	44
12	80.00% WETTABLE POWDER	BLUEGILL		0.60	22.0	7.5	44

BEST COPY AVAILABLE

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	>10.0	.	.		.	.
2	STATIC	EC		.	.	>1.0	.	.		.	.
3	STATIC	EC		.	.	0.22	0.100	0.300		.	.
4	STATIC	EC		.	.	>1.0	.	.		.	.
5	STATIC	LC	24.5	20.100	30.000		.	.	2.96	1.950	4.510
6	STATIC	LC	42.5	34.600	52.100		.	.	14.5	11.100	19.000
7	STATIC	LC	13.5	10.600	17.300		.	.	4.3	3.400	5.500
8	STATIC	LC	1.25	0.640	2.460		.	.	0.64	0.320	1.280
9	STATIC	LC	24.0	18.800	30.700		.	.	22.5	17.100	25.600
10	STATIC	LC		.	.		.	.	11.5	6.900	16.400
11	STATIC	LC		.	.		.	.	42.5	33.500	53.900
12	STATIC	LC	23.5	18.300	30.200		.	.	13.5	10.600	17.300

FLUORENE

CAS # 86-73-7 PRINCIPAL USE: PETROLEUM COMPONENT MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.5	280
2	98.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	280
3	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.5	280

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.43	0.330	0.550		.	.
2	STATIC	EC		.	.	2.35	1.900	3.000		.	.
3	STATIC	LC		.	.		.	.	0.76	0.590	0.970

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                                                                                      FLUORODIFEN
   CAS # 15457-05-3    PRINCIPAL USE:  HERBICIDE                                               MEASURED IN UG /L

                  CHEMICAL                                                                                          DEG.  HARDNESS
 OBS             DESCRIPTION                        SPECIES              SIZE        WEIGHT                         CENT.  PH  MG/L

   1  98.00% TECHNICAL MATERIAL         RAINBOW TROUT                                 0.70                          12.0  7.4     44
   2  98.90% TECHNICAL MATERIAL         CHANNEL CATFISH                               1.30                          18.0  7.4     44




 OBS  __ TEST TYPE __          ___ 24 HOUR ___                       ___ 48 HOUR ___                       ___ 96 HOUR ___
                                       CONFIDENCE INTERVAL                   CONFIDENCE INTERVAL                   CONFIDENCE INTERVAL

   1  STATIC        LC         737.     583.000    933.000                  .         .                554.     427.000    718.000
   2  STATIC        LC         400.     255.000    626.000                  .         .                270.     159.000    458.000
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FLURIDONE

CAS # 59756-60-4   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.5	40
2	98.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.5	280
3	41.00% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.5	40
4	41.00% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.5	280
5	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	18.0	7.5	40
6	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	18.0	7.5	280
7	41.00% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	18.0	7.5	40
8	41.00% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	18.0	7.5	280
9	98.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	40
10	98.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	280
11	41.00% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	40
12	41.00% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	280
13	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.3	40
14	41.00% LIQUID	RAINBOW TROUT		1.10	12.0	7.1	40
15	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	7.0	7.5	40
16	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.5	40
17	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	17.0	7.5	40
18	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	6.5	40
19	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.5	40
20	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	8.5	40
21	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	8.1	40
22	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	8.1	320
23	98.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	22.0	7.1	40
24	41.00% LIQUID	FATHEAD MINNOW		0.80	22.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	4.4	3.000	6.400		.	.
2	STATIC	EC		.	.	4.4	3.000	6.400		.	.
3	STATIC	EC		.	.	3.9	3.000	5.100		.	.
4	STATIC	EC		.	.	3.9	2.900	5.000		.	.
5	STATIC	LC		.	.		.	.	2.1	0.900	5.000
6	STATIC	LC		.	.		.	.	4.1	2.900	5.700
7	STATIC	LC		.	.		.	.	>32.0	.	.
8	STATIC	LC		.	.		.	.	>32.0	.	.
9	STATIC	EC		.	.	1.3	0.800	2.200		.	.
10	STATIC	EC		.	.	1.3	0.800	2.000		.	.
11	STATIC	EC		.	.	1.3	1.000	1.700		.	.
12	STATIC	EC		.	.	1.3	1.000	1.700		.	.
13	STATIC	LC		.	.		.	.	7.6	6.000	9.700
14	STATIC	LC		.			.	.	7.1	5.600	9.100
15	STATIC	LC		.	.		.	.	7.5	5.800	10.200
16	STATIC	LC		.	.		.	.	4.5	3.400	5.900
17	STATIC	LC		.	.		.	.	4.25	3.350	5.390
18	STATIC	LC		.	.		.	.	5.7	4.100	7.900
19	STATIC	LC		.	.		.	.	5.6	4.800	6.600
20	STATIC	LC		.	.		.	.	8.4	6.400	11.100
21	STATIC	LC		.	.		.	.	7.6	5.700	10.100
22	STATIC	LC		.	.		.	.	7.6	5.900	9.700
23	STATIC	LC		.	.		.	.	22.	17.000	28.000
24	STATIC	LC		.	.		.	.	41.	32.000	52.000

FLURIDONE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	22.0	7.1	40
26	41.00% LIQUID	CHANNEL CATFISH		0.70	22.0	7.1	40
27	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.90	12.0	7.1	40
28	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.90	17.0	7.1	40
29	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.90	22.0	7.1	40
30	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.40	22.0	6.5	42
31	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.40	22.0	7.5	42
32	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.40	22.0	8.5	42
33	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	22.0	8.1	40
34	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	22.0	8.1	320
35	98.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	7.1	40
36	41.00% LIQUID	BLUEGILL		0.50	22.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC		.	.		.	.	13.2	10.300	16.900
26	STATIC	LC		.	.		.	.	13.2	10.300	17.000
27	STATIC	LC		.	.		.	.	10.0	7.300	13.600
28	STATIC	LC		.	.		.	.	10.0	7.300	13.600
29	STATIC	LC		.	.		.	.	13.0	10.700	16.600
30	STATIC	LC		.	.		.	.	15.0	11.300	19.900
31	STATIC	LC		.	.		.	.	13.5	10.400	17.500
32	STATIC	LC		.	.		.	.	8.2	6.200	10.800
33	STATIC	LC		.	.		.	.	10.0	7.300	13.800
34	STATIC	LC		.	.		.	.	14.0	11.700	16.800
35	STATIC	LC		.	.		.	.	13.0	9.900	17.100
36	STATIC	LC		.	.		.	.	12.0	8.200	17.500

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FOLPET

CAS # 133-07-3 PRINCIPAL USE: FUNGICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	88.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	.	44
2	88.00% TECHNICAL MATERIAL	COHO SALMON		1.00	12.0	7.5	44
3	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	12.0	7.4	44
4	88.00% TECHNICAL MATERIAL	RAINBOW TROUT	FINGERLING	.	12.0	7.5	314
5	88.00% TECHNICAL MATERIAL	BROWN TROUT		0.60	12.0	7.5	44
6	88.00% TECHNICAL MATERIAL	BROWN TROUT		0.60	12.0	7.5	314
7	88.00% TECHNICAL MATERIAL	LAKE TROUT		0.50	12.0	7.5	44
8	88.00% TECHNICAL MATERIAL	LAKE TROUT	FINGERLING	.	12.0	7.5	314
9	88.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.30	12.0	7.5	44
10	88.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.60	17.0	7.5	314
11	88.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.20	20.0	7.4	44
12	88.00% TECHNICAL MATERIAL	BLUEGILL		0.60	20.0	7.4	44
13	88.00% TECHNICAL MATERIAL	SMALLMOUTH BASS	FINGERLING	.	12.0	7.5	314
14	88.00% TECHNICAL MATERIAL	YELLOW PERCH		0.60	12.0	7.5	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	6200.	4744.000	8103.000		.	.	2500.	1994.000	3134.000
2	STATIC	LC	115.	90.000	146.000		.	.	106.	82.000	137.000
3	STATIC	LC	40.3	18.400	88.000		.	.	39.0	17.800	85.200
4	FLOW THROUGH	LC	74.0	68.600	79.900		.	.	52.1	47.600	56.900
5	STATIC	LC	72.2	63.100	82.600		.	.	66.0	55.700	78.300
6	FLOW THROUGH	LC	33.5	27.100	41.300		.	.	29.0	23.000	36.400
7	STATIC	LC	>92.0	.	.		.	.	86.5	68.000	110.000
8	FLOW THROUGH	LC	26 2	23.100	29.600		.	.	24.0	21.400	26.800
9	STATIC	LC	322.	275.000	377.000		.	.	298.	207.000	430.000
10	FLOW THROUGH	LC	230.	187.000	282.000		.	.	114.	86.400	150.000
11	STATIC	LC	108.	58.500	201.000		.	.	108.	58.500	201.000
12	STATIC	LC	96.9	77.500	121.000		.	.	71.7	57.600	89.300
13	STATIC	LC	>80.	.	.		.	.	91.0	73.200	113.000
14	STATIC	LC	208.	168.000	258.000		.	.	177.	149.000	210.000

FONOFOS

CAS # 944-22-9 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.70	13.0	7.1	44
2	95.00% TECHNICAL MATERIAL	BLUEGILL		1.00	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	109.	84.000	142.000		.	.	20.	16.000	25.000
2	STATIC	LC	45.	35.000	58.000		.	.	6.8	5.400	8.600

FOSAMINE AMMONIUM

CAS # 25954-13-6 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	41.50% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.5	43
2	41.50% LIQUID	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.5	43
3	41.50% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	43
4	41.50% LIQUID	RAINBOW TROUT		0.90	12.0	7.5	43
5	41.50% LIQUID	FATHEAD MINNOW		0.70	22.0	7.2	40
6	41.50% LIQUID	CHANNEL CATFISH		0.60	22.0	7.5	40
7	41.50% LIQUID	BLUEGILL		0.90	22.0	7.5	43

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	>100.0	.	.		.	.
2	STATIC	LC		.	.		.	.	>100.0	.	.
3	STATIC	EC		.	.	>100.0	.	.		.	.
4	STATIC	LC		.	.		.	.	>100.0	.	.
5	STATIC	LC		.	.		.	.	>100.	.	.
6	STATIC	LC		.	.		.	.	>100.	.	.
7	STATIC	LC		.	.		.	.	>100.	.	.

FOSPIRATE

CAS # 5598-52-7 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	44
2	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.4	272
3	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE	INTERVAL	48 HOUR	48 HOUR CONFIDENCE	INTERVAL	96 HOUR	96 HOUR CONFIDENCE	INTERVAL
1	STATIC	LC	2.8	2.200	3.600		.	.	1.7	1.300	2.000
2	STATIC	LC	2.4	2.100	2.800		.	.	2.0	1.600	2.500
3	STATIC	LC	4.4	2.600	7.400		.	.	2.1	1.400	3.100

FYRQUEL GT

CAS #   PRINCIPAL USE: HYDRAULIC FLUID   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.5	40
2	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.4	40
3	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.0	40
4	100.0% LIQUID	RAINBOW TROUT		1.00	12.0	7.4	40
5	100.0% LIQUID	RAINBOW TROUT		0.90	12.0	6.5	40
6	100.0% LIQUID	RAINBOW TROUT		0.90	12.0	7.5	40
7	100.0% LIQUID	RAINBOW TROUT		0.90	12.0	8.5	40
8	100.0% LIQUID	RAINBOW TROUT		1.20	7.0	7.4	40
9	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	7.4	40
10	100.0% LIQUID	RAINBOW TROUT		1.20	17.0	7.4	40
11	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	8.5	40
12	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	8.4	320
13	100.0% LIQUID	FATHEAD MINNOW		0.70	22.0	7.4	40
14	100.0% LIQUID	CHANNEL CATFISH		0.90	22.0	7.6	44
15	100.0% LIQUID	BLUEGILL		1.00	22.0	[illegible]	40
16	100.0% LIQUID	BLUEGILL		0.70	22.0	6.5	40
17	100.0% LIQUID	BLUEGILL		0.70	22.0	7.5	40
18	100.0% LIQUID	BLUEGILL		0.70	22.0	8.5	40
19	100.0% LIQUID	BLUEGILL		0.50	[illegible]	7.2	40
20	100.0% LIQUID	BLUEGILL		0.50	17.0	7.2	40
21	100.0% LIQUID	BLUEGILL		0.50	22.0	7.2	40
22	100.0% LIQUID	BLUEGILL		1.00	22.0	8.2	40
23	100.0% LIQUID	BLUEGILL		1.00	22.0	8.5	320

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	2.9	1.840	4.560		.	.
2	STATIC	LC		.	.		.	.	1.4	0.890	2.180
3	STATIC	EC		.	.	1.8	1.500	2.100		.	.
4	STATIC	LC		.	.		.	.	2.0	1.640	2.430
5	STATIC	LC	1.25	0.810	1.900		.	.	1.05	0.710	1.540
6	STATIC	LC	2.9	1.980	4.230		.	.	0.64	0.390	1.050
7	STATIC	LC	3.7	2.810	4.860		.	.	1.3	0.960	1.770
8	STATIC	LC		.	.		.	.	2.1	1.430	3.080
9	STATIC	LC	2.8	1.910	4.100		.	.	2.4	2.000	2.900
10	STATIC	LC	2.7	1.920	3.780		.	.	2.3	1.760	2.990
11	STATIC	LC	3.0	2.100	4.280		.	.	1.15	0.800	1.660
12	STATIC	LC	4.6	3.390	6.240		.	.	0.90	0.620	.310
13	STATIC	LC		.	.		.	.	2.3	1.700	3.100
14	STATIC	LC		.	.		.	.	0.76	0.600	0.970
15	STATIC	LC	5.8	4.100	8.100		.	.	3.1	2.200	4.300
16	STATIC	LC	8.5	6.500	11.100		.	.	3.2	2.300	4.400
17	STATIC	LC	7.0	5.400	9.000		.	.	2.7	2.000	3.700
18	STATIC	LC		.	.		.	.	2.8	1.900	4.100
19	STATIC	LC		.	.		.	.	5.7	4.100	7.900
20	STATIC	LC		.	.		.	.	4.2	3.500	5.000
21	STATIC	LC	4.0	2.900	5.500		.	.	1.9	1.300	2.700
22	STATIC	LC	3.8	2.900	4.900		.	.	2.5	2.100	3.000
23	STATIC	LC	4.5	3.500	5.700		.	.	2.3	1.500	3.400

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CAS # 106-24-1 PRINCIPAL USE: JUVENILE HORMONE

GERANIOL

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	75.00% TECHNICAL MATERIAL	RAINBOW TROUT	FINGERLING	.	12.0	7.5	44
2	75.00% TECHNICAL MATERIAL	BROWN TROUT		0.80	12.0	7.5	44
3	75.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50	12.0	7.5	44
4	75.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	17.0	7.5	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	3.7	3.300	4.100
2	STATIC	LC	2.8	2.400	3.200		.	.	2.6	2.300	3.000
3	STATIC	LC	7.9	6.900	9.000		.	.	5.0	4.100	6.100
4	FLOW THROUGH	LC	>4.0	.	.		.	.	3.2	2.700	3.800

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                                                                  GLENBAR
    CAS # 3765-57-9     PRINCIPAL USE:  HERBICIDE                                    MEASURED IN MG /L

                      CHEMICAL                                                                                  DEG.  HARDNESS
  OBS               DESCRIPTION                   SPECIES              SIZE        WEIGHT                      CENT.  PH  MG/L

    1  92.00% TECHNICAL MATERIAL       RAINBOW TROUT                                 1.80                       13.0  7.1    44




  OBS    __ TEST TYPE __         ___ 24 HOUR ___                ___ 48 HOUR ___                ___ 96 HOUR ___
                                        CONFIDENCE  INTERVAL           CONFIDENCE  INTERVAL           CONFIDENCE  INTERVAL

    1  STATIC        LC          1.4         .          .                     .          .      1.4         .          .
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GLYCEROL

CAS # 56-81-5 PRINCIPAL USE: SOLVENT

MEASURED IN ML /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	12.0	7.5	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	54.	51.000	57.000

CAS # 556-22-9 PRINCIPAL USE: FUNGICIDE

GLYODIN

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	30.00% LIQUID	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	5.2	3.200	8.500		.	.	1.1	0.800	1.600

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GLYPHOSATE

CAS # 1071-83-6 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	41.00% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	22.0	7.4	272
2	41.00% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.4	272
3	41.00% LIQUID	ORCONECTES NAIS	MATURE	.	22.0	7.4	280
4	41.00% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	272
5	41.00% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	272
6	41.00% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	6.6	272
7	96.70% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	6.5	44
8	96.70% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.0	44
9	96.70% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	9.5	44
10	41.00% LIQUID	RAINBOW TROUT		0.40	12.0	7.4	44
11	41.00% LIQUID	RAINBOW TROUT		0.50	12.0	7.4	44
12	41.00% LIQUID	RAINBOW TROUT		1.00	12.0	7.4	44
13	41.00% LIQUID	RAINBOW TROUT		0.70	7.0	7.4	44
14	41.00% LIQUID	RAINBOW TROUT		0.70	12.0	7.4	44
15	41.00% LIQUID	RAINBOW TROUT		0.70	17.0	7.4	44
16	41.00% LIQUID	RAINBOW TROUT		0.40	12.0	6.5	44
17	41.00% LIQUID	RAINBOW TROUT		0.40	12.0	7.5	44
18	41.00% LIQUID	RAINBOW TROUT		0.40	12.0	8.5	44
19	41.00% LIQUID	RAINBOW TROUT		0.40	12.0	9.5	44
20	41.00% LIQUID	RAINBOW TROUT		0.50	12.0	7.4	44
21	41.00% LIQUID	RAINBOW TROUT		0.50	12.0	7.4	44
22	41.00% LIQUID	RAINBOW TROUT		0.50	12.0	7.4	44
23	41.00% LIQUID	RAINBOW TROUT		0.50	12.0	7.4	44
24	41.00% LIQUID	RAINBOW TROUT	YOLK-SAC FRY	.	10.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC	5.3	.	.	2.95	2.600	3.400		.	.
2	STATIC	LC	62.	47.000	82.000		.	.	43.	28.000	66.000
3	STATIC	LC		.	.		.	.	7.0	5.600	8.700
4	STATIC	EC		.	.	>10.	.	.		.	.
5	STATIC	EC		.	.	55.	31.000	97.000		.	.
6	STATIC	EC		.	.	>56.	.	.		.	.
7	STATIC	LC	240.	200.000	290.000		.	.	140.	120.000	170.000
8	STATIC	LC	130.	108.000	156.000		.	.	130.	108.000	156.000
9	STATIC	LC	240.	200.000	290.000		.	.	240.	200.000	290.000
10	STATIC	LC	12.	7.800	18.400		.	.	7.6	6.000	9.600
11	STATIC	LC	5.2	2.200	9.300		.	.	1.3	1.100	1.600
12	STATIC	LC	8.3	7.000	9.900		.	.	8.3	7.000	9.900
13	STATIC	LC	14.	11.000	17.000		.	.	14.	11.000	16.000
14	STATIC	LC	14.	11.000	16.000		.	.	7.5	6.300	9.000
15	STATIC	LC	7.5	6.300	9.000		.	.	7.4	6.200	8.900
16	STATIC	LC	14.	12.000	17.000		.	.	7.6	6.400	9.100
17	STATIC	LC	2.4	2.000	2.900		.	.	1.6	1.200	2.200
18	STATIC	LC	2.4	2.000	2.900		.	.	1.4	1.200	1.700
19	STATIC	LC	2.4	2.000	2.900		.	.	1.4	1.200	1.700
20	0 DAY DEGRA	LC	19.	16.000	23.000		.	.	9.0	7.500	11.000
21	1 DAY DEGRA	LC	14.	11.000	16.000		.	.	7.6	6.400	9.100
22	3 DAY DEGRA	LC	14.	11.000	16.000		.	.	7.6	6.400	9.100
23	7 DAY DEGRA	LC	14.	11.000	16.000		.	.	7.6	6.400	9.100
24	STATIC	LC	11.	8.800	13.000		.	.	3.4	2.200	5.300

GLYPHOSATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	96.70% TECHNICAL MATERIAL	FATHEAD MINNOW		0.60	20.0	7.4	44
26	41.00% LIQUID	FATHEAD MINNOW		0.60	22.0	7.4	44
27	41.00% LIQUID	FATHEAD MINNOW		0.90	15.0	7.4	44
28	41.00% LIQUID	FATHEAD MINNOW		0.60	20.0	7.4	44
29	41.00% LIQUID	FATHEAD MINNOW		0.90	25.0	7.4	44
30	41.00% LIQUID	CHANNEL CATFISH		0.20	20.0	7.4	44
31	41.00% LIQUID	CHANNEL CATFISH		0.60	22.0	7.4	44
32	96.70% TECHNICAL MATERIAL	CHANNEL CATFISH		2.20	22.0	7.4	44
33	41.00% LIQUID	CHANNEL CATFISH	EYED EGG	.	20.0	7.4	44
34	41.00% LIQUID	CHANNEL CATFISH	SWIMUP FRY	.	25.0	7.4	44
35	41.00% LIQUID	CHANNEL CATFISH	YOLK-SAC FRY	.	25.0	7.4	44
36	96.70% TECHNICAL MATERIAL	BLUEGILL		0.90	22.0	7.4	44
37	96.70% TECHNICAL MATERIAL	BLUEGILL		0.40	22.0	6.5	44
38	96.70% TECHNICAL MATERIAL	BLUEGILL		0.40	22.0	9.5	44
39	41.00% LIQUID	BLUEGILL		0.70	22.0	7.4	44
40	41.00% LIQUID	BLUEGILL		0.50	17.0	7.4	44
41	41.00% LIQUID	BLUEGILL		0.50	22.0	7.4	44
42	41.00% LIQUID	BLUEGILL		0.50	27.0	7.4	44
43	41.00% LIQUID	BLUEGILL		0.30	22.0	6.5	44
44	41.00% LIQUID	BLUEGILL		0.30	22.0	7.5	44
45	41.00% LIQUID	BLUEGILL		0.30	22.0	8.5	44
46	41.00% LIQUID	BLUEGILL		0.30	22.0	9.5	44
47	41.00% LIQUID	BLUEGILL		0.40	22.0	7.4	44
48	41.00% LIQUID	BLUEGILL		0.40	22.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	97.	79.000	120.000		.	.	97.	79.000	120.000
26	STATIC	LC	2.4	2.000	2.900		.	.	2.3	1.900	2.800
27	STATIC	LC	7.0	6.300	9.200		.	.	4.8	3.700	6.300
28	STATIC	LC	4.1	2.100	7.900		.	.	2.9	1.700	5.000
29	STATIC	LC	6.4	4.800	8.600		.	.	4.3	3.200	5.800
30	STATIC	LC	4.4	3.700	5.200		.	.	4.4	3.700	5.200
31	STATIC	LC	13.	10.600	16.000		.	.	13.	10.600	16.000
32	STATIC	LC	130.	108.000	156.000		.	.	130.	108.000	156.000
33	STATIC	LC		.	.		.	.	43.	36.000	51.000
34	STATIC	LC	3.7	3.400	4.000		.	.	3.3	2.800	3.900
35	STATIC	LC	4.3	3.600	5.100		.	.	4.3	3.600	5.100
36	STATIC	LC	150.	121.000	186.000		.	.	135.	113.000	162.000
37	STATIC	LC	240.	200.000	290.000		.	.	140.	120.000	170.000
38	STATIC	LC	230.	190.000	250.000		.	.	220.	170.000	280.000
39	STATIC	LC	6.8	5.000	9.200		.	.	5.6	4.200	7.500
40	STATIC	LC	9.6	7.900	12.000		.	.	7.5	6.300	9.000
41	STATIC	LC	6.4	4.800	8.600		.	.	5.0	3.800	6.600
42	STATIC	LC	4.3	3.400	5.400		.	.	4.0	3.200	5.000
43	STATIC	LC	7.6	6.400	9.100		.	.	4.2	3.500	5.000
44	STATIC	LC	4.0	3.200	5.000		.	.	2.4	1.900	3.000
45	STATIC	LC	3.9	3.100	4.900		.	.	2.4	2.000	2.900
46	STATIC	LC	2.4	2.000	2.900		.	.	1.8	1.300	2.500
47	0 DAY DEGRA	LC	4.3	3.400	5.500		.	.	4.0	2.900	5.500
48	1 DAY DEGRA	LC	6.6	4.800	9.000		.	.	6.0	5.600	6.500

GLYPHOSATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	41.00% LIQUID	BLUEGILL		0.40	22.0	7.4	44
50	41.00% LIQUID	BLUEGILL		0.40	22.0	7.4	44
51	41.00% LIQUID	BLUEGILL		1.30	20.0	7.4	272

BEST COPY AVAILABLE

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
49	3 DAY DEGRA	LC	8.0	6.400	10.000		.	.	7.0	5.000	9.800
50	7 DAY DEGRA	LC	6.2	4.600	8.400		.	.	5.6	4.000	7.800
51	FLOW THROUGH	LC		.	.		.	.	5.5	5.190	5.830

GREEN CRUDE OIL

CAS # 8002-05-9 PRINCIPAL USE: PETROLEUM

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% WATER SOLUBLE	PTERONARCELLA BADIA	1ST YEAR CLASS	.	10.0	7.2	170
2	100.0% WHOLE MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	10.0	7.2	170
3	100.0% WATER SOLUBLE	CUTTHROAT TROUT		0.65	12.0	7.4	165
4	100.0% WHOLE MATERIAL	CUTTHROAT TROUT		0.65	12.0	7.4	162
5	100.0% WHOLE MATERIAL	CUTTHROAT TROUT	EYED EGG	.	10.0	7.2	170
6	100.0% WATER SOLUBLE	CUTTHROAT TROUT	EYED EGG	.	10.0	7.2	170
7	100.0% WATER SOLUBLE	CUTTHROAT TROUT	SWIMUP FRY	0.10	10.0	7.4	170
8	100.0% WHOLE MATERIAL	CUTTHROAT TROUT	SWIMUP FRY	0.10	10.0	7.4	170
9	100.0% WHOLE MATERIAL	CUTTHROAT TROUT	YOLK-SAC FRY	.	10.0	7.2	170
10	100.0% WATER SOLUBLE	CUTTHROAT TROUT	YOLK-SAC FRY	.	10.0	7.2	170

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	5000.	3633.000	6881.000		.	.	1500.	1062.000	2118.000
2	STATIC	LC		.	.		.	.	36000.	21400.000	60500.000
3	STATIC	LC	10000.	7400.000	13600.000		.	.	10000.	7400.000	13600.000
4	STATIC	LC		.	.		.	.	>10000	.	.
5	STATIC	LC		.	.		.	.	>10000	.	.
6	STATIC	LC		.	.		.	.	>13000	.	.
7	STATIC	LC		.	.		.	.	3000.	2100.000	4300.000
8	STATIC	LC	58000.	45530.000	73890.000		.	.	33500.	24650.000	45530.000
9	STATIC	LC		.	.		.	.	>10000	.	.
10	STATIC	LC	39000.	29100.000	59300.000		.	.	11700.	9900.000	13800.000

HALOWAX 1099
MEASURED IN MG /L

CAS # 39450-05-0 PRINCIPAL USE: INDUSTRIAL

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	FATHEAD MINNOW		0.70	20.0	7.4	44
2	100.0% COMMERCIAL FORMULATION	CHANNEL CATFISH		0.80	20.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.

HEPTACHLOR

CAS # 76-44-8 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	99.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	99.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
4	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
5	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	272
6	99.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
7	99.00% TECHNICAL MATERIAL	ORCONECTES NAIS	EARLY INSTAR	.	21.0	7.4	272
8	99.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
9	99.00% TECHNICAL MATERIAL	CLAASSENIA SABULOSA	2ND YEAR CLASS	.	15.0	7.1	44
10	99.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	15.0	7.1	44
11	99.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
12	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	44
13	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.4	272
14	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	2.0	7.1	44
15	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	7.0	7.1	44
16	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	13.0	7.1	44
17	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	18.0	7.1	44
18	99.00% TECHNICAL MATERIAL	NORTHERN PIKE		0.70	18.0	7.4	272
19	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.30	18.0	7.1	44
20	99.00% TECHNICAL MATERIAL	BLACK BULLHEAD		0.90	24.0	7.1	44
21	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.00	18.0	7.1	44
22	99.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.1	44
23	99.00% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	7.1	40
24	99.00% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	42.	21.000	63.000		.	.
2	STATIC	EC		.	.	47.	32.000	68.000		.	.
3	STATIC	EC		.	.	80.	59.000	108.000		.	.
4	STATIC	LC	180.	130.000	260.000		.	.	56.	33.000	78.000
5	STATIC	LC	140.	110.000	180.000		.	.	40.	28.000	55.000
6	STATIC	LC	150.	94.000	240.000		.	.	29.	18.000	48.000
7	STATIC	LC	2.6	0.900	8.600		.	.	0.5	0.300	1.800
8	STATIC	LC	30.	22.000	46.000		.	.	1.8	1.400	2.400
9	STATIC	LC	9.0	6.200	13.000		.	.	2.8	2.100	3.700
10	STATIC	LC	6.0	4.500	8.000		.	.	0.9	0.600	1.300
11	STATIC	LC	8.0	2.300	14.800		.	.	1.1	0.900	1.400
12	STATIC	LC	32.	24.000	42.000		.	.	32.	24.000	42.000
13	STATIC	LC	44.	28.000	67.000		.	.	43.	28.000	66.000
14	STATIC	LC	19.	15.000	23.000		.	.	7.0	5.800	8.400
15	STATIC	LC	11.	8.900	13.000		.	.	7.1	6.400	7.600
16	STATIC	LC	11.	9.000	12.000		.	.	7.4	6.700	8.200
17	STATIC	LC	9.8	9.300	10.400		.	.	8.0	7.300	8.700
18	STATIC	LC	8.0	.	.		.	.	6.2	.	.
19	STATIC	LC	63.	.	.		.	.	23.	.	.
20	STATIC	LC	86.	76.000	97.000		.	.	63.	46.000	86.000
21	STATIC	LC	28.	21.000	38.000		.	.	25.	17.000	36.000
22	STATIC	LC	34.	25.000	48.000		.	.	13.	9.000	19.000
23	STATIC	LC	83.	28.000	242.000		.	.	13.	9.000	19.000
24	STATIC	LC	35.	.	.		.	.	17.	.	.

BEST COPY AVAILABLE

HEPTACHLOR
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	99.00% TECHNICAL MATERIAL	REDEAR SUNFISH		1.10	7.0	7.1	44
26	99.00% TECHNICAL MATERIAL	REDEAR SUNFISH		1.10	13.0	7.1	44
27	99.00% TECHNICAL MATERIAL	REDEAR SUNFISH		1.10	18.0	7.1	44
28	99.00% TECHNICAL MATERIAL	REDEAR SUNFISH		1.10	29.0	7.1	44
29	99.00% TECHNICAL MATERIAL	REDEAR SUNFISH		1.10	24.0	7.1	44
30	99.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.4	272
31	99.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	15.0	7.1	44

BEST COPY AVAILABLE

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	92.	85.000	99.000		.	.		.	.
26	STATIC	LC	64.	58.000	71.000		.	.		.	.
27	STATIC	LC	47.	43.000	51.000		.	.		.	.
28	STATIC	LC	22.	20.000	24.000		.	.		.	.
29	STATIC	LC	34.	31.000	37.000		.	.	17.	15.000	19.000
30	STATIC	LC	19.	16.000	21.000		.	.	10.	7.400	14.000
31	STATIC	LC	844.	185.000	3852.000		.	.	435.	299.000	647.000

HEPTACHLOR EPOXIDE

CAS # 1024-57-3 PRINCIPAL USE: METABOLITE-HEPTACHLOR

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	13.0	7.1	44
2	99.00% TECHNICAL MATERIAL	BLUEGILL		0.50	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	26.	20.000	33.000		.	.	20.	16.000	25.000
2	STATIC	LC	7.5	5.900	9.500		.	.	5.3	3.900	7.200

HERCULES 7175

CAS # 1319-96-6   PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	BLUEGILL		0.40	24.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	40.	.	.		.	.	22.	.	.

CAS # 118-74-1 PRINCIPAL USE: FUNGICIDE

HEXACHLOROBENZENE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	80.00% WETTABLE POWDER	COHO SALMON		0.50	7.0	7.4	44
2	80.00% WETTABLE POWDER	CHINOOK SALMON		0.40	12.0	7.5	314
3	80.00% WETTABLE POWDER	BROWN TROUT	YOLK-SAC FRY	.	12.0	7.4	44
4	80.00% WETTABLE POWDER	BROWN TROUT	YOLK-SAC FRY	.	12.0	7.8	170
5	80.00% WETTABLE POWDER	BROOK TROUT		0.40	12.0	7.5	314
6	96.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	20.0	7.4	44
7	96.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	20.0	7.4	44
8	96.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.30	20.0	7.4	40
9	96.00% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	25.0	7.4	272
10	96.00% TECHNICAL MATERIAL	BLUEGILL		1.00	20.0	7.4	272
11	96.00% TECHNICAL MATERIAL	BLUEGILL		1.60	20.0	7.4	272
12	96.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.50	21.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>50.	.	.		.	.	>50.	.	.
2	FLOW THROUGH	LC	>1.0	.	.		.	.	>1.0	.	.
3	STATIC	LC	>0.5	.	.		.	.	>0.5	.	.
4	STATIC	LC	>0.3	.	.		.	.	>0.3	.	.
5	FLOW THROUGH	LC	>1.0	.	.		.	.	>1.0	.	.
6	STATIC	LC	>10.	.	.		.	.	>10.	.	.
7	STATIC	LC	13.5	11.300	16.200		.	.	13.5	11.300	16.200
8	STATIC	LC	>100.	.	.		.	.	>100.	.	.
9	STATIC	LC	7.0	6.400	7.700		.	.	7.0	6.400	7.700
10	STATIC	LC	12.	.	.		.	.	12.	.	.
11	FLOW THROUGH	LC	>1.0	.	.		.	.	>1.0	.	.
12	STATIC	LC	12.	.	.		.	.	12.	.	.

CAS # 87-68-3 PRINCIPAL USE: INDUSTRIAL

HEXACHLOROBUTADIENE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% COMMERCIAL FORMULATION	RAINBOW TROUT		1.80	12.0	7.2	40
2	100.0% COMMERCIAL FORMULATION	CHANNEL CATFISH		1.00	22.0	7.2	40
3	100.0% COMMERCIAL FORMULATION	BLUEGILL		0.80	22.0	7.2	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	380.	310.000	460.000		.	.	250.	200.000	300.000
2	STATIC	LC	1300.	930.000	1800.000		.	.	760.	640.000	910.000
3	STATIC	LC	1400.	1100.000	1600.000		.	.	760.	640.000	910.000

HEXAZINONE

CAS # 51235-04-2   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.4	44
2	90.00% WETTABLE POWDER	RAINBOW TROUT		0.70	12.0	7.4	44
3	99.00% TECHNICAL MATERIAL	BROOK TROUT		1.10	12.0	7.4	44
4	90.00% WETTABLE POWDER	BROOK TROUT		1.10	12.0	7.4	44
5	99.00% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>180.	.	.		.	.	>180.	.	.
2	STATIC	LC	>180.	.	.		.	.	>180.	.	.
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	>100.	.	.		.	.	>100.	.	.
5	STATIC	LC	>100.	.	.		.	.	>100.	.	.

HOUGHTO-SAFE 520

CAS #　　PRINCIPAL USE: HYDRAULIC FLUID　　MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.6	44
2	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.6	44
3	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	42
4	100.0% LIQUID	RAINBOW TROUT		0.90	12.0	7.4	40
5	100.0% LIQUID	RAINBOW TROUT		1.20	7.0	7.4	40
6	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	7.4	40
7	100.0% LIQUID	RAINBOW TROUT		1.20	17.0	7.4	40
8	100.0% LIQUID	FATHEAD MINNOW		1.00	22.0	7.3	46
9	100.0% LIQUID	BLUEGILL		1.00	22.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC	>100.	.	.	>100.	.	.		.	.
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	>100.	.	.		.	.	>100.	.	.
5	STATIC	LC	>100.	.	.		.	.	>100.	.	.
6	STATIC	LC	>100.	.	.		.	.	>100.	.	.
7	STATIC	LC	>100.	.	.		.	.	>100.	.	.
8	STATIC	LC	>100.	.	.		.	.	>100.	.	.
9	STATIC	LC	>100.	.	.		.	.	>100.	.	.

HOUGHTO-SAFE 1120

CAS # 12797-87-4 PRINCIPAL USE: HYDRAULIC FLUID

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	20.0	7.4	272
2	100.0% LIQUID	COHO SALMON		0.40	12.0	7.5	314
3	100.0% LIQUID	RAINBOW TROUT		1.10	12.0	7.4	44
4	100.0% LIQUID	RAINBOW TROUT		1.80	17.0	7.4	272
5	100.0% LIQUID	RAINBOW TROUT		1.40	12.0	7.1	40
6	100.0% LIQUID	BROOK TROUT		4.00	12.0	7.5	314
7	100.0% LIQUID	FATHEAD MINNOW		1.20	17.0	7.4	44
8	100.0% LIQUID	FATHEAD MINNOW		1.80	17.0	7.4	272
9	100.0% LIQUID	CHANNEL CATFISH		1.60	21.0	7.4	44
10	100.0% LIQUID	CHANNEL CATFISH		1.50	16.0	7.4	272
11	100.0% LIQUID	CHANNEL CATFISH		0.80	12.0	7.5	320
12	100.0% LIQUID	BLUEGILL		0.60	20.0	7.4	44
13	100.0% LIQUID	BLUEGILL		1.50	21.0	7.4	272
14	100.0% LIQUID	BLUEGILL		0.40	12.0	7.5	320
15	100.0% LIQUID	YELLOW PERCH		7.20	12.0	7.5	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	3.1	2.300	4.200		.	.	0.70	0.530	0.920
2	FLOW THROUGH	LC	2.1	1.500	2.900		.	.	1.2	0.900	1.500
3	STATIC	LC	4.2	3.000	5.800		.	.	1.7	1.200	2.500
4	FLOW THROUGH	LC		.	.		.	.	0.65	0.550	0.770
5	STATIC	LC	4.6	4.000	5.400		.	.	3.4	2.700	4.200
6	FLOW THROUGH	LC	4.4	3.800	5.100		.	.	3.6	3.100	4.200
7	STATIC	LC	>90.	.	.		.	.	35.	24.000	49.000
8	FLOW THROUGH	LC		.	.		.	.	17.	14.000	21.000
9	STATIC	LC	130.	87.000	194.000		.	.	43.	31.000	59.000
10	FLOW THROUGH	LC		.	.		.	.	>15.	.	.
11	FLOW THROUGH	LC		.	.		.	.	3.2	2.100	5.000
12	STATIC	LC	32.	18.000	57.000		.	.	12.	8.000	19.000
13	FLOW THROUGH	LC	>15.	.	.		.	.	11.	9.000	12.000
14	FLOW THROUGH	LC		.	.		.	.	8.0	5.800	11.100
15	FLOW THROUGH	LC	3.1	2.000	4.700		.	.	0.54	0.420	0.700

BEST COPY AVAILABLE

CAS #   PRINCIPAL USE: INDUSTRIAL

2-HYDROXY-4,4'-DICHLORODIPHENYL ETHER
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.20	20.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	>460.	.	.

CAS #   PRINCIPAL USE: METABOLITE

HYDROXY-S-TRIAZINYL ALANINE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>10000	.	.		.	.	>10000	.	.

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CAS # PRINCIPAL USE: INDUSTRIAL

2-HYDROXY-2',4,4'-TRICHLORODIPHENYL ETHER
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.20	20.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>500.	.	.		.	.	360.	290.000	450.000

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                                                                        JODFENPHOS
     CAS # 18181-70-9    PRINCIPAL USE:  INSECTICIDE                            MEASURED IN UG /L

                     CHEMICAL                                                                                       DEG.  HARDNESS
 OBS                DESCRIPTION                   SPECIES               SIZE        WEIGHT                          CENT.  PH   MG/L

   1  99.00% TECHNICAL MATERIAL         RAINBOW TROUT                              0.70                             12.0  7.1     44
   2  99.00% TECHNICAL MATERIAL         CHANNEL CATFISH                            0.80                             18.0  7.1     44
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       __ TEST TYPE __           ___ 24 HOUR ___                    ___ 48 HOUR ___                    ___ 96 HOUR ___
 OBS                                     CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL

   1  STATIC          LC           50.2     34.900      72.000                   .          .           16.2     11.700      22.500
   2  STATIC          LC           536.    426.000     674.000                   .          .           388.    303.000     490.000
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KOMEEN

CAS # 52769-67-2 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	8.00 % LIQUID	APPLE SNAIL	2-4WK	.	22.0	7.2	42
2	8.00 % LIQUID	BLUEGILL		0.70	22.0	7.1	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	0.052	0.038	0.072
2	STATIC	LC	13.2	9.200	19.000		.	.	9.2	6.600	12.800

KRONITEX 200

CAS # 1330-78-5 PRINCIPAL USE: HYDRAULIC FLUID MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.9	46
2	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.1	45
3	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.9	46
4	100.0% LIQUID	RAINBOW TROUT		0.50	12.0	7.5	40
5	100.0% LIQUID	RAINBOW TROUT		1.10	12.0	6.5	40
6	100.0% LIQUID	RAINBOW TROUT		1.10	12.0	7.5	40
7	100.0% LIQUID	RAINBOW TROUT		1.10	12.0	8.5	40
8	100.0% LIQUID	RAINBOW TROUT		0.80	7.0	7.4	40
9	100.0% LIQUID	RAINBOW TROUT		0.80	12.0	7.4	40
10	100.0% LIQUID	RAINBOW TROUT		0.80	17.0	7.4	40
11	100.0% LIQUID	RAINBOW TROUT		1.10	12.0	8.2	40
12	100.0% LIQUID	RAINBOW TROUT		1.10	12.0	8.6	320
13	100.0% LIQUID	BLUEGILL		0.90	22.0	7.2	40
14	100.0% LIQUID	BLUEGILL		0.70	22.0	6.5	40
15	100.0% LIQUID	BLUEGILL		0.70	22.0	7.5	40
16	100.0% LIQUID	BLUEGILL		0.70	22.0	8.5	40
17	100.0% LIQUID	BLUEGILL		0.70	12.0	7.3	44
18	100.0% LIQUID	BLUEGILL		0.70	17.0	7.3	44
19	100.0% LIQUID	BLUEGILL		0.70	22.0	7.3	44
20	100.0% LIQUID	BLUEGILL		0.50	22.0	8.1	40
21	100.0% LIQUID	BLUEGILL		0.50	22.0	8.1	320

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	3.2	2.300	4.500		.	.
2	STATIC	LC	>10.	.	.		.	.	5.5	3.800	8.000
3	STATIC	EC	>32.	.	.	2.4	1.700	3.400		.	.
4	STATIC	LC	>10.	.	.		.	.	4.5	3.300	6.200
5	STATIC	LC	6.0	4.300	8.400		.	.	5.5	4.000	7.500
6	STATIC	LC		.	.		.	.	6.0	4.300	8.400
7	STATIC	LC	>32.	.	.		.	.	6.6	5.400	8.100
8	STATIC	LC	>32.	.	.		.	.	7.2	5.400	9.600
9	STATIC	LC		.	.		.	.	6.8	5.200	8.900
10	STATIC	LC		.	.		.	.	6.5	5.300	7.900
11	STATIC	LC		.	.		.	.	5.5	4.000	7.500
12	STATIC	LC		.	.		.	.	7.5	5.600	10.100
13	STATIC	LC	>100.	.	.		.	.	29.0	20.400	41.200
14	STATIC	LC	>100.	.	.		.	.	>100.	.	.
15	STATIC	LC	>100.	.	.		.	.	>100.	.	.
16	STATIC	LC	>100.	.	.		.	.	>100.	.	.
17	STATIC	LC	>100.	.	.		.	.	>100.	.	.
18	STATIC	LC	>100.	.	.		.	.	>100.	.	.
19	STATIC	LC	>100.	.	.		.	.	>100.	.	.
20	STATIC	LC	>100.	.	.		.	.	>100.	.	.
21	STATIC	LC	>100.	.	.		.	.	>100.	.	.

LANDRIN

CAS # 12407-86-2   PRINCIPAL USE: INSECTICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	50.00% WETTABLE POWDER	RAINBOW TROUT		1.20	12.0	7.1	44
2	50.00% WETTABLE POWDER	BLUEGILL		0.90	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	1.5	1.000	2.100		.	.	1.0	0.800	1.300
2	STATIC	LC	16.5	15.200	17.900		.	.	11.6	10.600	12.700

LEAD ARSENATE

CAS # 7784-40-9   PRINCIPAL USE: INSECTICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.60	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.

LEPTOPHOS

CAS # 21609-90-5 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	87.20% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	12.0	7.4	44
2	87.20% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	10.0	9.0	44
3	87.20% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	6.0	44
4	87.20% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.5	10
5	87.20% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	7.4	44
6	87.20% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
7	87.20% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	12.0	6.5	44
8	87.20% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	12.0	7.5	44
9	87.20% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	12.0	8.5	44
10	87.20% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
11	87.20% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
12	87.20% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
13	87.20% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
14	2.70 % EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.60	12.0	7.4	44
15	87.20% TECHNICAL MATERIAL	RAINBOW TROUT		2.70	12.0	7.4	272
16	87.20% TECHNICAL MATERIAL	BROWN TROUT		0.50	12.0	7.4	44
17	87.20% TECHNICAL MATERIAL	LAKE TROUT		2.20	12.0	6.0	44
18	87.20% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50	12.0	7.4	44
19	87.20% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	25.0	7.4	272
20	87.20% TECHNICAL MATERIAL	BLUEGILL		1.40	20.0	7.4	44
21	87.20% TECHNICAL MATERIAL	BLUEGILL		0.90	12.0	7.4	44
22	87.20% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.50	21.0	7.5	44
23	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.80	12.0	7.4	44
24	87.20% TECHNICAL MATERIAL	YELLOW PERCH		2.00	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>7000.	.	.		.	.	>7000.	.	.
2	STATIC	LC	>12.	.	.		.	.	5.30	4.160	6.750
3	STATIC	LC	>24.	.	.		.	.	3.95	3.150	4.960
4	STATIC	LC	>24.	.	.		.	.	4.30	3.230	5.730
5	STATIC	LC	>40.	.	.		.	.	10.6	8.570	13.100
6	STATIC	LC	>20.	.	.		.	.	20.	12.500	31.900
7	STATIC	LC	>40.	.	.		.	.	35.	27.600	44.300
8	STATIC	LC	>40.	.	.		.	.	33.0	26.300	41.500
9	STATIC	LC	>40.	.	.		.	.	40.0	24.600	64.900
10	0 DAY DEGRA	LC	>75.	.	.		.	.	13.1	10.000	17.200
11	7 DAY DEGRA	LC	>40.	.	.		.	.	38.0	31.800	45.400
12	14 DAY DEGRA	LC	>75.	.	.		.	.	25.5	18.800	34.500
13	21 DAY DEGRA	LC	>150.	.	.		.	.	28.0	20.800	37.700
14	STATIC	LC	>200.	.	.		.	.	35.	29.400	41.700
15	FLOW THROUGH	LC		.	.		.	.	69.0	56.000	85.000
16	STATIC	LC	>20.	.	.		.	.	7.6	5.600	10.300
17	STATIC	LC	1900.	1520.000	2380.000		.	.	43.	30.500	60.700
18	STATIC	LC	>30000	.	.		.	.	>30000	.	.
19	STATIC	LC	820.	720.000	930.000		.	.	480.	350.000	650.000
20	STATIC	LC	253.	115.000	559.000		.	.	22.3	14.200	34.900
21	STATIC	LC	23000.	19400.000	27200.000		.	.	8700.	6870.000	11000.000
22	STATIC	LC	>150.	.	.		.	.	>150.	.	.
23	STATIC	LC	11000.	7530.000	16100.000		.	.	2000.	1340.000	2980.000
24	STATIC	LC	>1200.	.	.		.	.	1320.	961.000	1810.000

LEPTOPHOS
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	7.0	7.4	44
26	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	17.0	7.4	44
27	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	22.0	7.4	44
28	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	9.0	44
29	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.5	44
30	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	7.5	44
31	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	6.5	44
32	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.0	12
33	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.0	44
34	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.0	170
35	87.20% TECHNICAL MATERIAL	YELLOW PERCH		0.90	12.0	8.0	300
36	87.20% TECHNICAL MATERIAL	YELLOW PERCH		2.00	12.0	8.0	44
37	87.20% TECHNICAL MATERIAL	YELLOW PERCH		3.00	12.0	7.6	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	>5000.	.	.		.	.	3750.	3040.000	4620.000
26	STATIC	LC		4000.000	5000.000		.	.	<500.	.	.
27	STATIC	LC		75.000	100.000		.	.	<25.	.	.
28	STATIC	LC	>2500.	.	.		.	.	680.	422.000	1090.000
29	STATIC	LC	>2500.	.	.		.	.	150.	82.900	271.000
30	STATIC	LC	>2500.	.	.		.	.	690.	405.000	1180.000
31	STATIC	LC	>2500.	.	.		.	.	140.	73.300	267.000
32	STATIC	LC	>2500.	.	.		.	.	270.	166.000	438.000
33	STATIC	LC	>2500.	.	.		.	.	2500.	1730.000	3610.000
34	STATIC	LC	>2500.	.	.		.	.	950.	589.000	1530.000
35	STATIC	LC	>2500.	.	.		.	.	880.	558.000	1390.000
36	STATIC	LC	>1800.	.	.		.	.	2050.	1630.000	2580.000
37	FLOW THROUGH	LC	50.	39.400	63.300		.	.	7.00	5.850	8.370

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LETHANE 384

CAS # 112-56-1 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	54.70% LIQUID	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
2	54.70% LIQUID	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
3	54.70% LIQUID	CUTTHROAT TROUT		0.60	12.0	7.4	162
4	54.70% LIQUID	CUTTHROAT TROUT		2.90	12.0	7.4	162
5	54.70% LIQUID	LAKE TROUT		1.20	12.0	7.4	162
6	54.70% LIQUID	LAKE TROUT		3.20	12.0	7.4	162

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	6.3	4.700	8.500		.	.	4.8	3.700	6.100
2	STATIC	LC	5.8	5.200	6.500		.	.	5.2	5.000	5.300
3	STATIC	LC	9.7	8.300	11.200		.	.	6.5	4.900	8.700
4	STATIC	LC	4.6	3.000	7.100		.	.	3.2	2.000	4.900
5	STATIC	LC	7.7	5.500	10.800		.	.	3.9	3.400	4.500
6	STATIC	LC	6.4	4.100	9.900		.	.	4.1	2.700	6.300

LIME SULFUR

CAS # 1344-81-6   PRINCIPAL USE: FUNGICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	29.00% LIQUID	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	29.00% LIQUID	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	29.00% LIQUID	RAINBOW TROUT		0.80	12.0	7.1	44
4	29.00% LIQUID	FATHEAD MINNOW		1.20	18.0	7.4	272
5	29.00% LIQUID	BLUEGILL		1.00	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	10.0	6.600	15.000		.	.
2	STATIC	EC		.	.	11.0	8.800	13.700		.	.
3	STATIC	LC	8.8	.	.		.	.	8.2	.	.
4	STATIC	LC	32.3	24.400	42.900		.	.	31.6	24.000	41.700
5	STATIC	LC	48.5	44.400	52.900		.	.	48.5	44.400	52.900

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LINDANE

CAS # 58-89-9 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	99.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	99.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
4	99.00% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.1	44
5	99.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.1	44
6	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.1	44
7	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272
8	99.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	IMMATURE	.	21.0	7.1	44
9	99.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.1	44
10	99.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
11	99.00% TECHNICAL MATERIAL	COHO SALMON		0.60	12.0	7.5	44
12	99.00% TECHNICAL MATERIAL	COHO SALMON		1.00	13.0	7.1	40
13	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.1	44
14	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	2.0	7.1	44
15	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	7.0	7.1	44
16	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.1	44
17	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	18.0	7.1	44
18	99.00% TECHNICAL MATERIAL	BROWN TROUT		1.10	12.0	7.5	44
19	99.00% TECHNICAL MATERIAL	BROWN TROUT		1.10	14.0	7.5	314
20	99.00% TECHNICAL MATERIAL	BROWN TROUT		0.50	12.0	7.5	42
21	99.00% TECHNICAL MATERIAL	LAKE TROUT		0.70	12.0	7.5	44
22	99.00% TECHNICAL MATERIAL	LAKE TROUT	FINGERLING	.	12.0	7.5	314
23	99.00% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.1	44
24	99.00% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	460.	386.000	547.000		.	.
2	STATIC	EC		.	.	520.	340.000	790.000		.	.
3	STATIC	EC		.	.	880.	808.000	957.000		.	.
4	STATIC	LC	5.6	3.500	9.000	3.2	2.200	4.600		.	.
5	STATIC	LC	110.	90.000	140.000		.	.	10.	7.000	14.000
6	STATIC	LC	32.	24.000	43.000		.	.	10.	7.000	14.000
7	STATIC	LC	28.	20.000	39.000		.	.	11.	8.100	15.000
8	STATIC	LC	120.	83.000	173.000		.	.	88.	57.000	136.000
9	STATIC	LC	5.0	3.000	7.600		.	.	1.0	0.700	1.500
10	STATIC	LC	12.	9.400	15.000		.	.	4.5	3.600	5.700
11	STATIC	LC	33.	25.000	44.000		.	.	23.	19.000	28.000
12	STATIC	LC	55.	40.000	75.000		.	.	41.	29.000	57.000
13	STATIC	LC	40.	32.000	49.000		.	.	27.	20.000	36.000
14	STATIC	LC	32.	27.000	38.000		.	.	18.	16.000	19.000
15	STATIC	LC	30.	27.000	33.000		.	.	24.	20.000	27.000
16	STATIC	LC	37.	34.000	41.000		.	.	31.	27.000	35.000
17	STATIC	LC	49.	44.000	55.000		.	.	41.	34.000	50.000
18	STATIC	LC	35.	30.000	41.000		.	.	24.	20.000	29.000
19	FLOW THROUGH	LC	>30.	.	.		.	.	22.	16.000	28.000
20	STATIC	LC	32.	26.000	40.000		.	.	25.	22.000	30.000
21	STATIC	LC	>30.	.	.		.	.	32.	24.000	42.000
22	FLOW THROUGH	LC	24.	19.000	29.000		.	.	24.	18.000	27.000
23	STATIC	LC	168.	91.000	311.000		.	.	131.	92.000	187.000
24	STATIC	LC	166.	116.000	239.000		.	.	105.	61.000	180.000

LINDANE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION		SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	99.00%	TECHNICAL MATERIAL	CARP		0.60	18.0	7.1	44
26	99.00%	TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.1	44
27	99.00%	TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.4	272
28	99.00%	TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	18.0	7.4	272
29	99.00%	TECHNICAL MATERIAL	FATHEAD MINNOW		0.50	12.0	7.5	42
30	99.00%	TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	18.0	7.1	44
31	99.00%	TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.1	44
32	99.00%	TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.4	272
33	99.00%	TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.1	44
34	99.00%	TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.4	272
35	99.00%	TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.1	44
36	99.00%	TECHNICAL MATERIAL	BLUEGILL		0.70	7.0	7.1	44
37	99.00%	TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.1	44
38	99.00%	TECHNICAL MATERIAL	BLUEGILL		0.70	18.0	7.1	44
39	99.00%	TECHNICAL MATERIAL	BLUEGILL		0.70	24.0	7.1	44
40	99.00%	TECHNICAL MATERIAL	BLUEGILL		0.70	29.0	7.1	44
41	99.00%	TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	18.0	7.1	44
42	99.00%	TECHNICAL MATERIAL	YELLOW PERCH		1.40	18.0	7.1	44
43	99.00%	TECHNICAL MATERIAL	YELLOW PERCH	FINGERLING	.	15.0	7.5	314
44	99.00%	TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	15.0	7.1	44
45	99.00%	TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	123.	107.000	141.000		.	.	90.	75.000	120.000
26	STATIC	LC	107.	87.000	129.000		.	.	87.	69.000	101.000
27	STATIC	LC	104.	87.000	124.000		.	.	67.	42.000	105.000
28	FLOW THROUGH	LC	101.	91.000	134.000		.	.	77.	55.000	106.000
29	STATIC	LC	>100.	.	.		.	.	86.	67.000	110.000
30	STATIC	LC	81.	59.000	110.000		.	.	64.	49.000	81.000
31	STATIC	LC	62.	52.000	74.000		.	.	44.	37.000	52.000
32	STATIC	LC	59.	48.000	70.000		.	.	49.	42.000	56.000
33	STATIC	LC	141.	75.000	266.000		.	.	83.	47.000	149.000
34	STATIC	LC	117.	83.000	165.000		.	.	70.	56.000	87.000
35	STATIC	LC	94.	80.000	110.000		.	.	68.	60.000	78.000
36	STATIC	LC	160.	130.000	190.000		.	.	65.	58.000	73.000
37	STATIC	LC	100.	90.000	110.000		.	.	53.	50.000	57.000
38	STATIC	LC	100.	90.000	112.000		.	.	56.	50.000	63.000
39	STATIC	LC	100.	85.000	118.000		.	.	38.	35.000	41.000
40	STATIC	LC	34.	30.000	38.000		.	.	25.	23.000	28.000
41	STATIC	LC	40.	33.000	49.000		.	.	32.	27.000	38.000
42	STATIC	LC	76.	65.000	88.000		.	.	68.	60.000	76.000
43	FLOW THROUGH	LC	30.	21.000	43.000		.	.	23.	20.000	26.000
44	STATIC	LC	13700.	11300.000	16700.000		.	.	3200.	2300.000	4500.000
45	STATIC	LC	4000.	.	.		.	.	2650.	.	.

LINURON

CAS # 330-55-2 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.10% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.0	43
2	50.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.0	43
3	95.10% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.0	43
4	50.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.0	43
5	95.10% TECHNICAL MATERIAL	CHANNEL CATFISH		0.40	22.0	7.4	40
6	50.00% WETTABLE POWDER	CHANNEL CATFISH		0.60	22.0	7.0	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.27	0.220	0.330		.	.
2	STATIC	EC		.	.	0.21	0.160	0.280		.	.
3	STATIC	EC		.	.	2.9	1.900	4.200		.	.
4	STATIC	EC		.	.	4.3	3.400	5.400		.	.
5	STATIC	LC		.	.		.	.	2.9	2.000	4.200
6	STATIC	LC	3.2	2.300	4.400		.	.	1.8	1.200	2.600

MALATHION

CAS # 121-75-5 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	15.0	7.2	44
2	95.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.2	44
3	95.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	10.0	7.2	44
4	95.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.2	44
5	95.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.2	44
6	95.00% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.2	44
7	95.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	21.0	7.2	44
8	95.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.2	44
9	95.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	272
10	95.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	272
11	95.00% TECHNICAL MATERIAL	ORCONECTES NAIS	EARLY INSTAR	.	15.0	7.4	272
12	95.00% TECHNICAL MATERIAL	ORCONECTES NAIS	MATURE	.	15.0	7.4	272
13	95.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.2	44
14	95.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
15	95.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
16	95.00% TECHNICAL MATERIAL	CLAASSENIA SABULOSA	2ND YEAR CLASS	.	15.0	7.2	44
17	95.00% TECHNICAL MATERIAL	ISOPERLA SP.	NAIAD	.	15.0	7.2	44
18	95.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	10.0	7.2	170
19	95.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	7.2	40
20	95.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	2ND YEAR CLASS	.	15.0	7.2	44
21	95.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.2	44
22	95.00% TECHNICAL MATERIAL	LESTES CONGENER	EARLY INSTAR	.	15.0	7.2	44
23	95.00% TECHNICAL MATERIAL	HYDROPSYCHE SP.	EARLY INSTAR	.	15.0	7.2	44
24	95.00% TECHNICAL MATERIAL	LIMNEPHILUS SP.	LATE INSTAR	.	15.0	7.2	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	1.0	0.700	1.400		.	.
2	STATIC	EC		.	.	1.8	1.400	2.400		.	.
3	STATIC	EC		.	.	0.59	0.440	0.790		.	.
4	STATIC	EC		.	.	3.5	2.600	4.800		.	.
5	STATIC	EC		.	.	6.2	4.400	8.700		.	.
6	STATIC	LC	220.	166.000	291.000	47.	32.000	69.000		.	.
7	STATIC	LC	6000.	3000.000	10000.000		.	.	3000.	1500.000	8500.000
8	STATIC	LC	3.8	3.500	4.100		.	.	0.76	0.630	0.920
9	STATIC	LC	3.2	2.000	5.100		.	.	0.90	0.640	1.260
10	FLOW THROUGH	LC	1.2	.	.		.	.	0.50	.	.
11	STATIC	LC	290.	210.000	370.000		.	.	180.	140.000	230.000
12	STATIC	LC	>10000	.	.		.	.	>10000	.	.
13	STATIC	LC	>100.	.	.		.	.	32.	.	.
14	STATIC	LC	320.	200.000	500.000		.	.	90.	67.000	120.000
15	FLOW THROUGH	LC	150.	.	.		.	.	12.	.	.
16	STATIC	LC	13.	9.600	17.000		.	.	2.8	1.400	4.300
17	STATIC	LC	4.6	0.950	8.900		.	.	0.69	0.200	2.400
18	STATIC	LC		.	.		.	.	8.8	7.000	11.000
19	STATIC	LC		.	.		.	.	6.2	5.200	7.400
20	STATIC	LC	10.	6.700	15.000		.	.	1.1	0.780	1.500
21	STATIC	LC	35.	23.000	54.000		.	.	10.	7.000	13.000
22	STATIC	LC	27.	18.000	40.000		.	.	10.	6.500	15.000
23	STATIC	LC	>32.	.	.		.	.	5.0	2.900	8.600
24	STATIC	LC	6.8	4.000	11.500		.	.	1.3	0.770	2.000

BEST COPY AVAILABLE

MALATHION
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT			DEG. CENT.	PH	HARDNESS MG/L
25	95.00% TECHNICAL MATERIAL	ATHERIX VARIEGATA	LATE INSTAR	.			15.0	7.2	44
26	95.00% TECHNICAL MATERIAL	COHO SALMON		0.90			12.0	7.1	44
27	95.00% TECHNICAL MATERIAL	COHO SALMON		1.50			12.0	7.1	40
28	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00			12.0	7.1	44
29	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00			12.0	7.4	272
30	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.30			12.0	7.4	162
31	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50			12.0	7.4	162
32	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.90			12.0	7.4	162
33	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40			12.0	7.1	44
34	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40			12.0	7.4	272
35	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00			7.0	7.2	44
36	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00			12.0	7.2	44
37	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00			18.0	7.2	44
38	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	SOAP LAKE	STRAIN	12.0	7.1	40
39	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	MISSOURI	STRAIN	12.0	7.1	40
40	95.00% TECHNICAL MATERIAL	BROWN TROUT		1.10			12.0	7.1	44
41	95.00% TECHNICAL MATERIAL	LAKE TROUT		[illegible]			12.0	7.4	162
42	95.00% TECHNICAL MATERIAL	LAKE TROUT		4.50			12.0	7.4	162
43	95.00% TECHNICAL MATERIAL	GOLDFISH		0.90			18.0	7.1	44
44	95.00% TECHNICAL MATERIAL	CARP		0.60			18.0	7.1	44
45	95.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90			18.0	7.1	44
46	95.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90			18.0	7.4	272
47	95.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20			18.0	7.1	44
48	95.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20			18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	1450.	1170.000	1800.000		.	.	385.	246.000	602.000
26	STATIC	LC	226.	167.000	307.000		.	.	170.	160.000	180.000
27	STATIC	LC	427.	192.000	945.000		.	.	177.	116.000	271.000
28	STATIC	LC	500.	460.000	560.000		.	.	280.	270.000	310.000
29	STATIC	LC	480.	450.000	510.000		.	.	270.	250.000	290.000
30	STATIC	LC	289.	47.000	1770.000		.	.	174.	112.000	269.000
31	STATIC	LC	>280.	.	.		.	.	237.	175.000	320.000
32	STATIC	LC	282.	244.000	325.000		.	.	230.	188.000	283.000
33	STATIC	LC	234.	150.000	360.000		.	.	200.	160.000	240.000
34	STATIC	LC	236.	150.000	365.000		.	.	138.	110.000	170.000
35	STATIC	LC	96.	84.000	110.000		.	.	80.	75.000	86.000
36	STATIC	LC	86.	75.000	98.000		.	.	66.	61.000	72.000
37	STATIC	LC	140.	130.000	150.000		.	.	100.	90.000	110.000
38	STATIC	LC	39.	23.000	65.000		.	.	4.1	2.200	7.400
39	STATIC	LC	160.	103.000	245.000		.	.	94.	.	.
40	STATIC	LC	128.	106.000	154.000		.	.	101.	84.000	115.000
41	STATIC	LC	99.	72.000	135.000		.	.	76.	47.000	123.000
42	STATIC	LC	179.	116.000	268.000		.	.	142.	106.000	188.000
43	STATIC	LC	19700.	17900.000	21600.000		.	.	10700.	8340.000	13800.000
44	STATIC	LC	8920.	6550.000	12100.000		.	.	6590.	4920.000	8820.000
45	STATIC	LC	12900.	10300.000	16000.000		.	.	8650.	6450.000	11500.000
46	STATIC	LC	12400.	10000.000	15200.000		.	.	11000.	8980.000	13400.000
47	STATIC	LC	21000.	18000.000	24000.000		.	.	12900.	10700.000	15600.000
48	STATIC	LC	18500.	13900.000	24700.000		.	.	11700.	9600.000	14100.000

MALATHION
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.1	44
50	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.4	272
51	95.00% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.1	44
52	95.00% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.4	272
53	95.00% TECHNICAL MATERIAL	GREEN SUNFISH		0.80	18.0	7.1	44
54	95.00% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.1	44
55	95.00% TECHNICAL MATERIAL	BLUEGILL		1.40	18.0	7.4	272
56	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	7.0	7.1	44
57	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	12.0	7.1	44
58	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	18.0	7.1	44
59	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	24.0	7.1	44
60	95.00% TECHNICAL MATERIAL	BLUEGILL		0.40	29.0	7.1	44
61	95.00% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.1	44
62	95.00% TECHNICAL MATERIAL	REDEAR SUNFISH		3.20	24.0	7.1	44
63	95.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	18.0	7.1	44
64	95.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		1.40	18.0	7.4	272
65	95.00% TECHNICAL MATERIAL	YELLOW PERCH		1.40	18.0	7.1	44
66	95.00% TECHNICAL MATERIAL	WALLEYE		1.30	18.0	7.4	272
67	95.00% TECHNICAL MATERIAL	TILAPIA		0.80	24.0	7.1	44
68	95.00% TECHNICAL MATERIAL	TILAPIA		0.80	24.0	7.4	272
69	95.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	15.0	7.1	44
70	95.00% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
49	STATIC	LC	11500.	8580.000	15300.000	.	.	8970.	6780.000	12000.000
50	STATIC	LC	11200.	9580.000	13300.000	.	.	7620.	5820.000	9970.000
51	STATIC	LC	309.	196.000	487.000	.	.	175.	134.000	228.000
52	STATIC	LC	248.	189.000	325.000	.	.	170.	132.000	220.000
53	STATIC	LC	231.	128.000	416.000	.	.	146.	91.000	234.000
54	STATIC	LC	140.	120.000	165.000	.	.	103.	87.000	122.000
55	STATIC	LC	335.	275.000	407.000	.	.	110.	84.000	143.000
56	STATIC	LC	280.	260.000	300.000	.	.	87.	71.000	107.000
57	STATIC	LC	220.	200.000	240.000	.	.	84.	67.000	105.000
58	STATIC	LC	135.	122.000	150.000	.	.	55.	50.000	60.000
59	STATIC	LC	124.	111.000	139.000	.	.	40.	32.000	50.000
60	STATIC	LC	70.	64.000	76.000	.	.	20.	16.000	25.000
61	STATIC	LC	96.	60.000	155.000	.	.	30.	10.000	88.000
62	STATIC	LC	170.	147.000	197.000	.	.	62.	58.000	67.000
63	STATIC	LC	368.	340.000	397.000	.	.	285.	254.000	320.000
64	STATIC	LC	560.	330.000	930.000	.	.	250.	220.000	310.000
65	STATIC	LC	482.	399.000	528.000	.	.	263.	205.000	338.000
66	STATIC	LC	110.	91.000	133.000	.	.	64.	59.000	70.000
67	STATIC	LC	3650.	.	.	.	.	<2400.	.	.
68	STATIC	LC	5100.	.	.	.	.	2000.	.	.
69	STATIC	LC	1900.	1400.000	3500.000	.	.	420.	90.000	980.000
70	STATIC	LC	560.	240.000	940.000	.	.	200.	90.000	270.000

BEST COPY AVAILABLE

CAS # 10605-21-7 PRINCIPAL USE: METABOLITE-BENOMYL MBC MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
2	99.00% TECHNICAL MATERIAL	RAINBOW TROUT	FINGERLING	0.20	12.0	7.4	44
3	99.00% TECHNICAL MATERIAL	RAINBOW TROUT	SWIMUP FRY	.	12.0	7.4	44
4	99.00% TECHNICAL MATERIAL	RAINBOW TROUT	YOLK-SAC FRY	.	12.0	7.4	44
5	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	22.0	7.2	45
6	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	22.0	7.4	44
7	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.30	22.0	7.4	44
8	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH	FINGERLING	0.20	22.0	7.4	44
9	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH	SWIMUP FRY	.	22.0	7.4	44
10	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	22.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	650.	500.000	850.000
2	STATIC	LC		.	.		.	.	370.	268.000	510.000
3	STATIC	LC		.	.		.	.	320.	240.000	426.000
4	STATIC	LC	420.	315.000	560.000		.	.	145.	109.000	192.000
5	STATIC	LC	>10000	.	.		.	.	>10000	.	.
6	STATIC	LC		.	.		.	.	16.	11.200	22.900
7	STATIC	LC		.	.		.	.	19.	13.200	27.300
8	STATIC	LC		.	.		.	.	10.	7.700	12.900
9	STATIC	LC		.	.		.	.	12.	9.100	15.800
0	STATIC	LC		.	.		.	.	7.4	6.200	8.900

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                                                                                    MCPA DIMETHYLAMINE SALT
       CAS # 2039-46-5     PRINCIPAL USE:  HERBICIDE                                         MEASURED IN MG /L

                           CHEMICAL                                                                                             DEG.  HARDNESS
    OBS                   DESCRIPTION                 SPECIES              SIZE        WEIGHT                                   CENT. PH   MG/L

      1  27.60% LIQUID                       BLUEGILL                   FINGERLING        .                                     24.0  7.4     44




    OBS     __ TEST TYPE __          ___ 24 HOUR ___                      ___ 48 HOUR ___                      ___ 96 HOUR ___
                                           CONFIDENCE INTERVAL                  CONFIDENCE INTERVAL                  CONFIDENCE INTERVAL

      1  STATIC         LC          >10.        .          .                      .          .          >10.        .          .
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MCPB

CAS # 94-81-5 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.55% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.4	44
2	90.55% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50	17.0	7.4	44
3	90.55% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	4.3	1.740	10.700		.	.		.	.
2	STATIC	LC	28.0	18.900	41.400		.	.	12.5	8.840	17.500
3	STATIC	LC	6.5	5.940	7.120		.	.	3.3	1.970	5.620

MERPHOS

CAS # 150-50-5 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	44
2	72.00% LIQUID	RAINBOW TROUT		0.60	12.0	7.4	44
3	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	7.0	6.8	44
4	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	6.8	44
5	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	17.0	6.8	44
6	96.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.22	22.0	7.5	38
7	96.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.10	22.0	7.1	43
8	96.00% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.6	48
9	96.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.3	44
10	96.00% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	7.3	44
11	96.00% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	7.3	44
12	96.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	6.5	40
13	96.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	7.5	40
14	96.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	8.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	33.	20.000	53.000
2	STATIC	LC	23.5	19.000	28.000		.	.	10.	7.000	14.000
3	STATIC	LC	42.5	33.300	54.300		.	.	10.	7.000	14.000
4	STATIC	LC	38.	29.000	50.000		.	.	14.5	11.000	19.000
5	STATIC	LC	42.5	35.700	50.500		.	.	11.5	8.400	15.800
6	STATIC	LC	>10.	.	.		.	.	3.2	2.700	3.700
7	STATIC	LC	>32.	.	.		.	.	6.5	5.900	7.100
8	STATIC	LC	>32.	.	.		.	.	5.6	3.100	10.000
9	STATIC	LC	>32.	.	.		.	.	>32.	.	.
10	STATIC	LC	>32.	.	.		.	.	15.	7.000	34.000
11	STATIC	LC	>32.	.	.		.	.	8.	4.000	17.000
12	STATIC	LC		.	.		.	.	2.3	1.300	4.000
13	STATIC	LC		.	.		.	.	1.3	0.880	2.000
14	STATIC	LC		.	.		.	.	1.4	1.000	1.800

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METAM-SODIUM

CAS # 137-42-8 PRINCIPAL USE: SOIL FUNGICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.	35.	.	.		.	.

METHANOL

CAS # 67-56-1   PRINCIPAL USE: SOLVENT   MEASURED IN ML /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	19.	18.000	20.000

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                                                                      METHIDATHION
   CAS # 950-37-8     PRINCIPAL USE:  INSECTICIDE                            MEASURED IN UG /L

                 CHEMICAL                                                                                 DEG.  HARDNESS
 OBS            DESCRIPTION                 SPECIES              SIZE       WEIGHT                        CENT.  PH  MG/L

   1  98.50% TECHNICAL MATERIAL       RAINBOW TROUT                           0.80                        12.0  7.4    44
   2  98.50% TECHNICAL MATERIAL       BLUEGILL                                0.70                        24.0  7.4    44
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      _ TEST TYPE _          __ 24 HOUR __                     __ 48 HOUR __                      __ 96 HOUR __
 OBS                                CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL

   1  STATIC        LC          22.      16.000      30.000                    .           .          14.      9.000      22.000
   2  STATIC        LC          30.      21.300      42.300                    .           .          9.0      6.100      13.300
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METHIOCARB

CAS # 2032-65-7   PRINCIPAL USE: INSECTICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
2	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	12.0	7.1	44
3	99.00% TECHNICAL MATERIAL	BLUEGILL		1.00	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	20.	13.000	31.000		.	.	5.4	4.600	6.400
2	STATIC	LC	1250.	958.000	1632.000		.	.	750.	630.000	893.000
3	STATIC	LC	320.	193.000	530.000		.	.	210.	121.000	364.000

METHOMYL

CAS # 16752-77-5 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
2	24.00% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	20.0	7.2	40
3	24.00% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.2	40
4	24.00% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.2	40
5	24.00% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.2	40
6	24.00% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.2	40
7	24.00% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.4	274
8	24.00% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	40
9	99.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.1	40
10	95.00% TECHNICAL MATERIAL	ISOGENUS SP.	1ST YEAR CLASS	.	7.0	7.5	42
11	24.00% LIQUID	ISOGENUS SP.	1ST YEAR CLASS	.	7.0	7.5	42
12	95.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	7.0	7.5	40
13	24.00% LIQUID	PTERONARCELLA BADIA	1ST YEAR CLASS	.	7.0	7.5	40
14	24.00% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	272
15	95.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	40
16	95.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	10.0	7.4	162
17	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	40
18	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	320
19	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	7.0	7.4	40
20	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	40
21	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	17.0	7.4	40
22	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	6.5	40
23	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.5	40
24	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	8.5	40

OBS	__ TEST TYPE __		__ 24 HOUR __	CONFIDENCE	INTERVAL	__ 48 HOUR __	CONFIDENCE	INTERVAL	__ 96 HOUR __	CONFIDENCE	INTERVAL
1	STATIC	EC	12.	7.300	20.000	8.8	4.100	19.000		.	.
2	STATIC	EC		.	.	7.6	4.800	12.100		.	.
3	STATIC	LC		.	.	1050.	424.000	2600.000		.	.
4	1 DAY DEGRA	LC		.	.	1050.	328.000	3360.000		.	.
5	3 DAY DEGRA	LC		.	.	750.	342.000	1646.000		.	.
6	7 DAY DEGRA	LC		.	.	340.	194.000	594.000		.	.
7	FLOW THROUGH	LC	>2500.	.	.		.	.	1050.	839.000	1315.000
8	STATIC	LC	>1000.	.	.		.	.	720.	572.000	907.000
9	STATIC	LC	>1.0	.	.		.	.	920.	680.000	1240.000
10	STATIC	LC	490.	368.000	653.000		.	.	343.	268.000	440.000
11	STATIC	LC	66.	46.000	95.000		.	.	29.	21.000	41.000
12	STATIC	LC	168.	125.000	226.000		.	.	69.	44.000	108.000
13	STATIC	LC	67.	56.000	80.000		.	.	60.	45.000	80.000
14	STATIC	EC	105.	71.000	156.000	32.	13.000	80.000		.	.
15	STATIC	EC		.	.	88.	60.000	129.000		.	.
16	STATIC	LC	>3600.	.	.		.	.	6800.	2180.000	7530.000
17	STATIC	LC	4200.	2750.000	6400.000		.	.	1700.	1180.000	2440.000
18	STATIC	LC	2800.	1980.000	3960.000		.	.	1400.	950.000	2000.000
19	STATIC	LC	4000.	2920.000	5470.000		.	.	2000.	1430.000	2790.000
20	STATIC	LC	2700.	1860.000	3910.000		.	.	1050.	670.000	1630.000
21	STATIC	LC	1300.	960.000	1750.000		.	.	860.	590.000	1260.000
22	STATIC	LC	2100.	1600.000	2800.000		.	.	1500.	1100.000	2000.000
23	STATIC	LC	2300.	1700.000	3100.000		.	.	1100.	760.000	1600.000
24	STATIC	LC	1450.	930.000	2260.000		.	.	1200.	780.000	1860.000

METHOMYL

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	29.00% LIQUID	RAINBOW TROUT		0.60	12.0	7.4	40
26	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.2	40
27	24.00% LIQUID	RAINBOW TROUT		1.00	12.0	7.2	40
28	24.00% LIQUID	RAINBOW TROUT		0.40	10.0	7.2	40
29	24.00% LIQUID	RAINBOW TROUT		1.20	10.0	7.2	40
30	24.00% LIQUID	RAINBOW TROUT		0.20	17.0	7.2	40
31	24.00% LIQUID	RAINBOW TROUT		0.20	12.0	7.2	40
32	24.00% LIQUID	RAINBOW TROUT		0.50	12.0	7.2	40
33	24.00% LIQUID	RAINBOW TROUT		0.50	12.0	7.2	40
34	24.00% LIQUID	RAINBOW TROUT		0.50	12.0	7.2	40
35	24.00% LIQUID	RAINBOW TROUT		0.50	12.0	7.2	40
36	24.00% LIQUID	RAINBOW TROUT		0.80	12.0	7.4	272
37	24.00% LIQUID	RAINBOW TROUT	EYED EGG	.	10.0	7.2	40
38	24.00% LIQUID	RAINBOW TROUT	SWIMUP FRY	.	12.0	7.4	40
39	24.00% LIQUID	RAINBOW TROUT	YOLK-SAC FRY	.	12.0	7.2	40
40	99.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	7.5	40
41	99.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	17.0	7.5	40
42	99.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	6.0	40
43	99.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	6.5	40
44	99.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	7.5	40
45	99.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	8.5	40
46	99.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	7.5	12
47	99.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	7.5	40
48	24.00% LIQUID	ATLANTIC SALMON		0.32	12.0	7.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
25	STATIC	LC	1800.	1320.000	2450.000		.	.	1200.	764.000	1880.000
26	STATIC	LC	2000.	1510.000	2640.000		.	.	1600.	1190.000	2150.000
27	STATIC	LC	1800.	1400.000	2300.000		.	.	1200.	1100.000	1400.000
28	STATIC	LC	3000.	2530.000	3550.000		.	.	2100.	1610.000	2730.000
29	STATIC	LC	2400.	2010.000	2860.000		.	.	2300.	1770.000	2980.000
30	STATIC	LC	2700.	2080.000	3510.000		.	.	1400.	1100.000	1790.000
31	STATIC	LC	2600.	2050.000	3300.000		.	.	2000.	1510.000	2640.000
32	STATIC	LC	5000.	3600.000	7000.000		.	.	1400.	1100.000	1600.000
33	1 DAY DEGRA	LC	3800.	2900.000	4970.000		.	.	1400.	1100.000	1600.000
34	3 DAY DEGRA	LC	3900.	2800.000	5900.000		.	.	1400.	1100.000	1600.000
35	7 DAY DEGRA	LC	3000.	2500.000	3600.000		.	.	1500.	800.000	2800.000
36	FLOW THROUGH	LC	>2500.	.	.		.	.	>2500.	.	.
37	STATIC	LC	>10000	.	.		.	.	32000.	18000.000	55000.000
38	STATIC	LC	1500.	1200.000	1900.000		.	.	1300.	960.000	1600.000
39	STATIC	LC	>10000	.	.		.	.	3200.	2300.000	4500.000
40	STATIC	LC	1720.	1550.000	1920.000		.	.	1120.	930.000	1350.000
41	STATIC	LC	800.	700.000	920.000		.	.	560.	460.000	690.000
42	STATIC	LC	820.	710.000	950.000		.	.	640.	500.000	830.000
43	STATIC	LC	940.	750.000	1180.000		.	.	700.	570.000	870.000
44	STATIC	LC		.	.		.	.	1220.	1080.000	1380.000
45	STATIC	LC	1630.	1430.000	1860.000		.	.	1050.	950.000	1160.000
46	STATIC	LC		.	.		.	.	1000.	830.000	1200.000
47	STATIC	LC	1630.	1420.000	1880.000		.	.	1150.	980.000	1360.000
48	STATIC	LC	1600.	1190.000	2160.000		.	.	1400.	1250.000	1570.000

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METHOMYL

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	29.00% LIQUID	ATLANTIC SALMON		0.32	12.0	7.5	40
50	24.00% LIQUID	BROOK TROUT		1.15	12.0	7.5	40
51	99.00% TECHNICAL MATERIAL	BROOK TROUT		1.15	12.0	7.5	40
52	99.00% TECHNICAL MATERIAL	BROOK TROUT		1.15	12.0	7.5	40
53	24.00% LIQUID	FATHEAD MINNOW		0.20	12.0	7.2	40
54	99.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.75	17.0	7.4	45
55	29.00% LIQUID	FATHEAD MINNOW		0.80	17.0	7.2	46
56	95.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.00	22.0	7.4	40
57	24.00% LIQUID	CHANNEL CATFISH		0.50	22.0	7.4	40
58	29.00% LIQUID	CHANNEL CATFISH		0.80	17.0	7.4	44
59	24.00% LIQUID	CHANNEL CATFISH	FINGERLING	.	22.0	7.4	40
60	24.00% LIQUID	CHANNEL CATFISH	SWIMUP FRY	.	25.0	7.4	40
61	24.00% LIQUID	CHANNEL CATFISH	YOLK-SAC FRY	.	25.0	7.4	40
62	95.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.4	40
63	95.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.4	320
64	95.00% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	6.0	40
65	95.00% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	6.5	40
66	95.00% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	7.5	40
67	95.00% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	8.5	40
68	29 00% LIQUID	BLUEGILL		0.80	22.0	7.4	40
69	95.00% TECHNICAL MATERIAL	BLUEGILL		0.90	20.0	7.2	40
70	24.00% LIQUID	BLUEGILL		0.90	20.0	7.2	40
71	24.00% LIQUID	BLUEGILL		0.20	20.0	7.4	40
72	24.00% LIQUID	BLUEGILL		0.30	17.0	7.4	40

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
49	STATIC	LC	1500.	1340.000	1690.000		.	.	1200.	1050.000	1380.000
50	STATIC	LC		.	.		.	.	1220.	860.000	1730.000
51	STATIC	LC	2250.	1580.000	3200.000		.	.	2200.	1600.000	3010.000
52	STATIC	LC	1750.	1380.000	2230.000		.	.	1500.	1230.000	1830.000
53	STATIC	LC	2000.	1500.000	2700.000		.	.	1800.	1200.000	2700.000
54	STATIC	LC	3300.	2600.000	5600.000		.	.	2800.	1800.000	4300.000
55	STATIC	LC	2800.	2000.000	3900.000		.	.	1500.	900.000	2500.000
56	STATIC	LC	720.	535.000	967.000		.	.	530.	375.000	748.000
57	STATIC	LC	450.	300.000	650.000		.	.	300.	200.000	430.000
58	STATIC	LC	460.	225.000	938.000		.	.	320.	275.000	371.000
59	STATIC	LC	760.	635.000	909.000		.	.	760.	635.000	909.000
60	STATIC	LC	560.	445.000	705.000		.	.	<560.	.	.
61	STATIC	LC	2400.	2000.000	2900.000		.	.	1800.	1300.000	2400.000
62	STATIC	LC	1800.	1280.000	2530.000		.	.	1200.	820.000	1760.000
63	STATIC	LC	1550.	1110.000	2160.000		.	.	840.	530.000	1340.000
64	STATIC	LC	1200.	880.000	1630.000		.	.	940.	650.000	1360.000
65	STATIC	LC	940.	650.000	1360.000		.	.	480.	320.000	710.000
66	STATIC	LC	930.	620.000	1400.000		.	.	600.	420.000	860.000
67	STATIC	LC	920.	670.000	1260.000		.	.	620.	370.000	1040.000
68	STATIC	LC	2400.	1572.000	3663.000		.	.	670.	428.000	1048.000
69	STATIC	LC	1300.	1010.000	1670.000		.	.	1050.	859.000	1280.000
70	STATIC	LC	790.	616.000	1010.000		.	.	710.	561.000	898.000
71	STATIC	LC	760.	558.000	1040.000		.	.	370.	262.000	522.000
72	STATIC	LC	1200.	860.000	1500.000		.	.	560.	420.000	750.000

METHOMYL

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
73	24.00% LIQUID	BLUEGILL		0.30	22.0	7.4	40
74	24.00% LIQUID	BLUEGILL		0.30	27.0	7.4	40
75	24.00% LIQUID	BLUEGILL		1.20	22.0	7.4	272
76	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	12.0	7.4	40
77	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	17.0	7.4	40
78	95.00% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.[illegible]	40
79	24.00% LIQUID	BLUEGILL		0.60	12.0	7.4	40
80	24.00% LIQUID	BLUEGILL		0.60	17.0	7.4	40
81	24.00% LIQUID	BLUEGILL		0.60	[illegible]	7.4	40
82	29.00% LIQUID	BLUEGILL		0.80	1[illegible].0	7.4	44
83	95.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		3.00	22.0	7.2	40
84	24.00% LIQUID	LARGEMOUTH BASS		3.00	22.0	7.2	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
73	STATIC	LC	760.	550.000	1100.000		.	.	560.	380.000	830.000
74	STATIC	LC	480.	370.000	620.000		.	.	430.	310.000	59[illegible].000
75	FLOW THROUGH	LC		.	.		.	.	2800.	2500.000	3200.000
76	STATIC	LC	3300.	2110.000	4510.000		.	.	2000.	1430.000	2800.000
77	STATIC	LC	1800.	1490.000	2170.000		.	.	1150.	928.000	1420.000
78	STATIC	LC	1000.	825.000	1210.000		.	.	860.	644.000	1150.000
79	STATIC	LC	>3200.	.	.		.	.	1800.	1200.000	2700.000
80	STATIC	LC	2500.	1890.000	3300.000		.	.	1200.	924.000	1560.000
81	STATIC	LC		.	.		.	.	600.	496.000	725.000
82	STATIC	LC	2400.	1572.000	3663.000		.	.	670.	428.000	1048.000
83	STATIC	LC	1250.	956.000	1630.000		.	.	1250.	971.000	1610.000
84	STATIC	LC	760.	589.000	979.000		.	.	760.	589.000	979.000

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METHOPRENE

CAS # 40596-69-8 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	68.90% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	40
2	10.00% SLOW RELEASE FORMULATION	RAINBOW TROUT		1.00	12.0	7.4	40
3	68.90% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	20.0	7.4	272
4	10.00% SLOW RELEASE FORMULATION	FATHEAD MINNOW		0.70	20.0	7.4	272
5	68.90% TECHNICAL MATERIAL	CHANNEL CATFISH		1.20	20.0	7.4	40
6	68.90% TECHNICAL MATERIAL	BLUEGILL		0.60	20.0	7.4	40
7	10.00% SLOW RELEASE FORMULATION	BLUEGILL		1.40	20.0	7.4	40

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OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	>10.0	.	.		.	.	1.55	1.010	2.410
2	STATIC	LC		80.000	100.000		.	.		1.000	10.000
3	STATIC	LC	>10.0	.	.		.	.	>10.0	.	.
4	STATIC	LC	>10.0	.	.		.	.	>10.0	.	.
5	STATIC	LC	>100.	.	.		.	.	>100.	.	.
6	STATIC	LC	>10.	.	.		.	.	2.91	1.890	4.470
7	STATIC	LC	>32.	.	.		.	.	8.50	6.240	10.100

CAS # 841-06-5 PRINCIPAL USE: HERBICIDE

METHOPROTRYNE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	BLUEGILL		0.90	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	24.5	21.200	28.300		.	.	15.5	13.900	17.200

METHOXYCHLOR

CAS # 72-43-5 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

BEST COPY AVAILABLE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	98.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	98.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
4	98.00% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.1	44
5	98.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	18.0	7.1	44
6	98.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
7	98.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
8	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	6.5	40
9	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.5	40
10	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	8.5	40
11	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.5	40
12	50.00% GRANULAR FORMULATION	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.5	40
13	98.00% TECHNICAL MATERIAL	ORCONECTES NAIS	IMMATURE 3-5WK	.	21.0	7.4	272
14	98.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	44
15	98.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	10.0	7.2	170
16	50.00% WETTABLE POWDER	PTERONARCELLA BADIA	1ST YEAR CLASS	.	10.0	7.2	170
17	98.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
18	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	12.0	7.3	44
19	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.70	12.0	7.3	44
20	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.30	12.0	7.4	162
21	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.00	9.0	7.4	162
22	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.20	12.0	7.4	162
23	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.18	12.0	7.5	40
24	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.5	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.78	0.570	1.070		.	.
2	STATIC	EC		.	.	5.0	3.800	6.600		.	.
3	STATIC	EC		.	.	5.6	4.100	7.600		.	.
4	STATIC	EC		.	.	32.	23.000	45.000		.	.
5	STATIC	LC	100.	65.000	155.000		.	.	34.	25.000	47.000
6	STATIC	LC	5.6	3.200	7.600		.	.	1.9	1.200	3.100
7	STATIC	LC	2.9	2.200	3.900		.	.	0.80	0.560	1.140
8	STATIC	LC	4.5	3.200	6.400		.	.	1.0	0.570	1.800
9	STATIC	LC	7.8	5.100	12.000		.	.	1.3	0.850	2.000
10	STATIC	LC	8.0	5.000	13.000		.	.	1.0	0.730	1.400
11	STATIC	LC	17.	12.000	24.000		.	.	3.2	2.300	4.400
12	STATIC	LC		.	.		.	.	3.8	2.900	5.000
13	STATIC	LC	2.6	0.900	8.600		.	.	0.50	0.250	1.800
14	STATIC	LC	34.	19.000	61.000		.	.	1.05	0.760	1.460
15	STATIC	LC	22.	14.400	33.700		.	.	4.95	3.870	6.330
16	STATIC	LC		.	.		.	.	25.	17.400	35.900
17	STATIC	LC	30.	26.000	34.000		.	.	1.4	1.100	1.800
18	STATIC	LC	19.	18.000	21.000		.	.	15.	14.000	17.000
19	STATIC	LC	28.	22.000	36.000		.	.	25.	20.000	30.000
20	STATIC	LC	13.	10.000	17.000		.	.	9.0	7.400	11.100
21	STATIC	LC	20.	16.000	24.000		.	.	13.	10.000	18.000
22	FLOW THROUGH	LC	>10.	.	.		.	.	6.2	5.500	7.000
23	STATIC	LC	18.6	15.400	22.400		.	.	15.3	13.000	18.000
24	STATIC	LC	17.0	10.300	28.000		.	.	11.0	5.900	20.500

METHOXYCHLOR
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.5	40
26	50.00% GRANULAR FORMULATION	RAINBOW TROUT		1.00	12.0	7.5	40
27	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.1	44
28	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	2.0	7.1	44
29	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	7.0	7.1	44
30	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	18.0	7.1	44
31	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		2.40	15.0	7.4	272
32	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.5	42
33	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.56	12.0	7.5	40
34	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.56	12.0	7.5	40
35	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.80	12.0	7.5	40
36	50.00% GRANULAR FORMULATION	ATLANTIC SALMON		0.80	12.0	7.5	40
37	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON	SWIMUP FRY	.	12.0	7.5	40
38	98.00% TECHNICAL MATERIAL	BROOK TROUT		1.15	12.0	7.5	40
39	50.00% GRANULAR FORMULATION	BROOK TROUT		0.58	12.0	7.5	40
40	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.58	12.0	7.5	315
41	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.58	12.0	6.5	40
42	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.58	12.0	7.5	40
43	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.58	12.0	8.5	40
44	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.58	12.0	8.0	40
45	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.58	12.0	8.0	170
46	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.58	12.0	8.0	300
47	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.58	12.0	7.5	40
48	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.58	7.0	7.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
25	STATIC	LC	19.0	16.200	22.300		.	.	17.0	13.900	20.800
26	STATIC	LC	21.0	16.500	26.700		.	.	11.8	9.990	13.900
27	STATIC	LC	75.	65.000	86.000		.	.	62.	55.000	69.000
28	STATIC	LC	57.	52.000	63.000		.	.	31.	28.000	34.000
29	STATIC	LC	54.	49.000	59.000		.	.	45.	39.000	51.000
30	STATIC	LC	61.	54.000	69.000		.	.	61.	55.000	67.000
31	FLOW THROUGH	LC	210.	170.000	260.000		.	.	61.	44.000	84.000
32	STATIC	LC	17.	10.000	28.000		.	.	11.	6.000	21.000
33	STATIC	LC		.	.		.	.	17.2	14.700	20.100
34	STATIC	LC	23.0	18.700	28.200		.	.	16.4	13.800	19.500
35	STATIC	LC	32.0	25.400	40.300		.	.	21.0	19.000	23.200
36	STATIC	LC	25.0	21.700	28.800		.	.	23.0	18.000	29.400
37	STATIC	LC	20.0	17.400	23.000		.	.	12.2	9.520	15.600
38	STATIC	LC	30.0	23.500	38.300		.	.	19.0	16.400	22.000
39	STATIC	LC	22.5	19.500	26.000		.	.	9.5	7.730	11.700
40	STATIC	LC	21.0	18.100	24.400		.	.	12.3	9.520	15.900
41	STATIC	LC	22.0	18.800	25.800		.	.	10.0	8.170	12.200
42	STATIC	LC	23.3	20.200	26.800		.	.	11.0	8.790	13.800
43	STATIC	LC	22.5	17.700	28.700		.	.	9.0	6.030	13.400
44	STATIC	LC	27.0	23.000	31.700		.	.	11.2	8.910	14.100
45	STATIC	LC		.	.		.	.	8.6	5.620	13.200
46	STATIC	LC		.	.		.	.	12.2	9.450	15.800
47	STATIC	LC	25.0	19.300	32.400		.	.	8.2	6.100	11.000
48	STATIC	LC	15.2	11.700	19.700		.	.	7.0	5.650	8.680

METHOXYCHLOR
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.58	17.0	7.5	40
50	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	8.0	40
51	50.00% GRANULAR FORMULATION	BROOK TROUT		0.70	12.0	7.5	40
52	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	8.0	170
53	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	7.5	315
54	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	7.5	40
55	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	6.5	40
56	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	7.5	40
57	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.60	12.0	7.5	42
58	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.07	12.0	7.5	44
59	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.10	12.0	7.5	42
60	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	7.5	42
61	98.00% TECHNICAL MATERIAL	BROOK TROUT		3.50	12.0	7.5	42
62	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.07	7.0	7.5	42
63	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.07	17.0	7.5	42
64	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.07	12.0	6.5	42
65	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.07	12.0	8.5	42
66	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.07	12.0	7.5	170
67	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.07	12.0	7.5	300
68	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.10	7.0	7.5	42
69	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.10	17.0	7.5	42
70	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.10	12.0	6.5	42
71	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.10	12.0	8.5	42
72	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.10	12.0	7.5	170

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
49	STATIC	LC	32.0	27.200	39.100		.	.	11.5	9.100	14.500
50	STATIC	LC	23.0	20.400	26.000		.	.	11.7	9.310	14.700
51	STATIC	LC	25.0	21.600	29.000		.	.	11.7	9.250	14.800
52	STATIC	LC	24.0	20.800	27.600		.	.	14.0	11.300	17.400
53	STATIC	LC	21.0	18.200	24.200		.	.	18.3	15.700	21.300
54	STATIC	LC	25.0	21.500	29.000		.	.	19.2	15.200	24.200
55	STATIC	LC	20.0	16.300	24.600		.	.	12.3	8.000	18.900
56	STATIC	LC	22.5	19.500	26.000		.	.	10.5	8.560	12.900
57	STATIC	LC	25.	19.000	32.000		.	.	8.2	6.100	11.000
58	STATIC	LC	20.	17.000	23.000		.	.	12.	9.500	16.000
59	STATIC	LC	22.	17.000	27.000		.	.	14.	11.000	18.000
60	STATIC	LC	25.	22.000	29.000		.	.	19.	15.000	24.000
61	STATIC	LC	21.	16.000	27.000		.	.	15.	9.700	22.000
62	STATIC	LC	12.	9.500	16.000		.	.	8.6	6.900	11.000
63	STATIC	LC	29.	22.000	37.000		.	.	12.	7.400	20.000
64	STATIC	LC	16.	14.000	19.000		.	.	11.	8.500	13.000
65	STATIC	LC	19.	16.000	22.000		.	.	11.	8.800	14.000
66	STATIC	LC	18.	15.000	21.000		.	.	9.6	7.600	12.000
67	STATIC	LC	19.	16.000	23.000		.	.	13.	9.900	17.000
68	STATIC	LC	19.	16.000	23.000		.	.	11.	8.800	14.000
69	STATIC	LC	31.	26.000	38.000		.	.	30.	24.000	37.000
70	STATIC	LC	19.	16.000	22.000		.	.	16.	14.000	19.000
71	STATIC	LC	25.	21.000	29.000		.	.	21.	18.000	25.000
72	STATIC	LC	19.	16.000	22.000		.	.	15.	12.000	19.000

METHOXYCHLOR
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
73	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.10	12.0	7.5	300
74	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.60	7.0	7.5	42
75	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.60	17.0	7.5	42
76	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.60	12.0	6.5	42
77	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.60	12.0	8.5	42
78	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.60	12.0	7.5	170
79	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.60	12.0	7.5	300
80	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	7.0	7.5	42
81	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	17.0	7.5	42
82	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	6.5	42
83	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	8.5	42
84	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	7.5	170
85	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	7.5	300
86	50.00% WETTABLE POWDER	BROOK TROUT		0.07	12.0	7.5	42
87	50.00% WETTABLE POWDER	BROOK TROUT		0.10	12.0	7.5	42
88	50.00% WETTABLE POWDER	BROOK TROUT		0.60	12.0	7.5	42
89	50.00% WETTABLE POWDER	BROOK TROUT		0.70	12.0	7.5	12
90	98.00% TECHNICAL MATERIAL	BROOK TROUT		1.50	12.0	7.5	314
91	98.00% TECHNICAL MATERIAL	BROOK TROUT		3.50	12.0	7.5	40
92	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	8.5	40
93	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	17.0	7.5	40
94	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	7.0	7.5	40
95	98.00% TECHNICAL MATERIAL	BROOK TROUT	EYED EGG	.	12.0	7.5	42
96	98.00% TECHNICAL MATERIAL	BROOK TROUT	EYED EGG	.	7.0	7.5	42

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
73	STATIC	LC	17.	13.000	21.000		.	.	11.	8.500	13.000
74	STATIC	LC	15.	12.000	20.000		.	.	7.0	5.600	8.700
75	STATIC	LC	32.	26.000	39.000		.	.	12.	9.100	15.000
76	STATIC	LC	22.	19.000	26.000		.	.	10.	8.200	12.000
77	STATIC	LC	23.	18.000	29.000		.	.	9.0	6.000	13.000
78	STATIC	LC	23.	16.000	30.000		.	.	8.6	5.600	13.000
79	STATIC	LC	18.	14.000	24.000		.	.	12.	9.400	16.000
80	STATIC	LC	20.	18.000	23.000		.	.	10.	8.200	12.000
81	STATIC	LC	28.	24.000	33.000		.	.	21.	18.000	24.000
82	STATIC	LC	20.	16.000	25.000		.	.	12.	8.000	19.000
83	STATIC	LC	28.	24.000	33.000		.	.	17.	14.000	20.000
84	STATIC	LC	24.	21.000	28.000		.	.	14.	11.000	17.000
85	STATIC	LC	25.	21.000	30.000		.	.	13.	9.100	19.000
86	STATIC	LC	32.	28.000	38.000		.	.	25.	22.000	28.000
87	STATIC	LC	35.	30.000	41.000		.	.	24.	21.000	28.000
88	STATIC	LC	23.	19.000	26.000		.	.	9.5	7.700	12.000
89	STATIC	LC	25.	22.000	29.000		.	.	12.	9.300	15.000
90	FLOW THROUGH	LC		.	.		.	.	12.	10.000	14.000
91	STATIC	LC	21.	16.000	27.000		.	.	15.	9.700	22.000
92	STATIC	LC	28.	24.000	33.000		.	.	16.	14.000	20.000
93	STATIC	LC	28.	24.000	33.000		.	.	21.	18.000	24.000
94	STATIC	LC	20.	18.000	23.000		.	.	10.	8.200	12.000
95	STATIC	LC	>50000	.	.		.	.	>50000	.	.
96	STATIC	LC	>50000	.	.		.	.	>50000	.	.

METHOXYCHLOR
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
97	98.00% TECHNICAL MATERIAL	BROOK TROUT	EYED EGG	.	17.0	7.5	42
98	98.00% TECHNICAL MATERIAL	BROOK TROUT	EYED EGG	.	12.0	6.5	42
99	98.00% TECHNICAL MATERIAL	BROOK TROUT	EYED EGG	.	12.0	8.5	42
100	98.00% TECHNICAL MATERIAL	BROOK TROUT	EYED EGG	.	12.0	7.5	170
101	50.00% GRANULAR FORMULATION	BROOK TROUT	SWIMUP FRY	.	12.0	7.5	40
102	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	8.0	240
103	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	8.0	240
104	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	8.0	40
105	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	8.5	40
106	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	7.5	40
107	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	6.5	40
108	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	17.0	7.5	40
109	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	7.0	7.5	40
110	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	7.5	315
111	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	7.5	315
112	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	8.5	40
113	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	7.5	40
114	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	6.5	40
115	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	8.0	300
116	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	8.0	170
117	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	8.0	40
118	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	17.0	7.5	40
119	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	7.0	7.5	40
120	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	7.5	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
97	STATIC	LC	>50000	.	.		.	.	10000.	.	.
98	STATIC	LC	>50000	.	.		.	.	>50000	.	.
99	STATIC	LC	>50000	.	.		.	.	>50000	.	.
100	STATIC	LC	>50000	.	.		.	.	>50000	.	.
101	STATIC	LC	41.	31.800	52.800		.	.	24.	20.800	27.700
102	STATIC	LC	19.0	15.800	22.800		.	.	13.0	9.870	17.120
103	STATIC	LC	18.0	15.200	21.300		.	.	9.60	7.640	12.100
104	STATIC	LC	18.0	15.200	21.300		.	.	14.0	11.300	17.400
105	STATIC	LC	18.6	15.500	22.400		.	.	11.0	8.830	13.700
106	STATIC	LC	17.2	14.900	19.800		.	.	11.6	9.130	14.700
107	STATIC	LC	16.2	13.600	19.200		.	.	10.5	8.490	13.000
108	STATIC	LC	28.5	22.200	36.600		.	.	12.3	7.430	20.400
109	STATIC	LC	12.3	9.500	15.900		.	.	8.6	6.910	10.700
110	STATIC	LC	16.0	12.600	20.400		.	.	14.0	11.200	17.500
111	STATIC	LC	23.0	20.100	26.400		.	.	12.4	9.100	16.900
112	STATIC	LC	25.0	21.400	29.200		.	.	21.6	18.300	25.400
113	STATIC	LC	18.0	15.200	21.300		.	.	16.2	13.500	19.400
114	STATIC	LC	19.0	16.100	22.400		.	.	16.2	13.600	19.200
115	STATIC	LC	16.8	13.300	21.200		.	.	10.6	8.540	13.200
116	STATIC	LC	19.0	16.100	22.500		.	.	15.2	11.900	19.500
117	STATIC	LC	16.2	13.500	19.400		.	.	14.2	11.500	17.600
118	STATIC	LC	31.5	25.800	38.500		.	.	30.0	24.400	36.900
119	STATIC	LC	19.0	15.700	23.000		.	.	11.0	8.790	13.800
120	STATIC	LC	21.5	16.800	27.500		.	.	14.0	11.000	17.800

METHOXYCHLOR
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
121	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	7.5	40
122	98.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	7.5	44
123	98.00% TECHNICAL MATERIAL	BROOK TROUT	YOLK-SAC FRY	.	12.0	7.5	40
124	98.00% TECHNICAL MATERIAL	BROOK TROUT	YOLK-SAC FRY	.	12.0	7.5	40
125	98.00% TECHNICAL MATERIAL	BROOK TROUT	YOLK-SAC FRY	.	12.0	7.5	40
126	98.00% TECHNICAL MATERIAL	LAKE TROUT		0.30	12.0	7.4	162
127	98.00% TECHNICAL MATERIAL	LAKE TROUT		3.20	12.0	7.4	162
128	98.00% TECHNICAL MATERIAL	NORTHERN PIKE		0.70	18.0	7.4	272
129	98.00% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44
130	98.00% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.4	272
131	98.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	18.0	7.1	44
132	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.20	18.0	7.1	44
133	98.00% TECHNICAL MATERIAL	BLUEGILL		1.20	17.0	7.1	44
134	98.00% TECHNICAL MATERIAL	BLUEGILL		1.10	12.0	7.1	44
135	98.00% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.1	44
136	98.00% TECHNICAL MATERIAL	BLUEGILL		1.10	24.0	7.1	44
137	98.00% TECHNICAL MATERIAL	BLUEGILL		0.60	18.0	7.4	272
138	98.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.4	272
139	98.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		2.20	18.0	7.4	272
140	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.00	12.0	7.5	40
141	50.00% GRANULAR FORMULATION	YELLOW PERCH		1.00	12.0	7.5	40
142	98.00% TECHNICAL MATERIAL	YELLOW PERCH		3.00	12.0	7.5	42
143	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.70	12.0	7.5	314
144	98.00% TECHNICAL MATERIAL	TILAPIA		0.80	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
121	STATIC	LC	22.5	19.500	25.900		.	.	21.0	15.700	28.000
122	STATIC	LC	27.	19.000	39.000		.	.	11.	7.000	17.000
123	STATIC	LC	28.5	20.300	40.100		.	.	28.5	20.300	40.100
124	STATIC	LC	27.0	18.600	39.200		.	.	10.8	7.030	16.600
125	STATIC	LC	27.	18.600	39.200		.	.	10.8	7.030	16.600
126	STATIC	LC	17.	13.000	24.000		.	.	17.	13.000	24.000
127	STATIC	LC	21.	16.000	28.000		.	.	16.	12.000	22.000
128	STATIC	LC	13.5	.	.		.	.	11.5	.	.
129	STATIC	LC	128.	75.000	215.000		.	.	42.	33.000	52.000
130	STATIC	LC	87.	51.000	148.000		.	.	42.	32.000	54.000
131	STATIC	LC	65.	56.000	75.000		.	.	39.	31.000	49.000
132	STATIC	LC	63.	47.000	84.000		.	.	52.	38.000	71.000
133	STATIC	LC	50.	33.000	78.000		.	.	32.	20.000	49.000
134	STATIC	LC	55.	52.000	57.000		.	.	79.	74.000	83.000
135	STATIC	LC	66.	60.000	72.000		.	.	51.	49.000	53.000
136	STATIC	LC	84.	79.000	89.000		.	.	79.	74.000	83.000
137	FLOW THROUGH	LC	100.	62.000	162.000		.	.	25.	20.000	32.000
138	STATIC	LC	18.	16.000	20.000		.	.	16.	13.000	18.000
139	STATIC	LC	19.	16.000	22.000		.	.	14.	12.000	16.000
140	STATIC	LC	37.5	30.800	45.600		.	.	30.0	22.800	39.400
141	STATIC	LC	32.0	25.400	43.100		.	.	17.5	13.300	23.100
142	STATIC	LC	>50.	.	.		.	.	>50.	.	.
143	FLOW THROUGH	LC	>20.	.	.		.	.	>20.	.	.
144	STATIC	LC	100.	.	.		.	.	76.	.	.

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                                                                                METHOXYCHLOR
                                                                                         MEASURED IN UG /L

                       CHEMICAL                                                                                                    DEG.  HARDNESS
OBS                  DESCRIPTION                      SPECIES                 SIZE        WEIGHT                                   CENT. PH  MG/L

145  98.00% TECHNICAL MATERIAL        FOWLERS TOAD                  TADPOLE 4-5WK      .                                      15.0  7.1     44
146  98.00% TECHNICAL MATERIAL        WESTERN CHORUS FROG           TADPOLE 1 WK       .                                      15.0  7.1     44




OBS    __ TEST TYPE __             ___ 24 HOUR ___                        ___ 48 HOUR ___                        ___ 96 HOUR ___
                                          CONFIDENCE  INTERVAL                  CONFIDENCE  INTERVAL                   CONFIDENCE  INTERVAL

145  STATIC         LC            1000.     745.000    1341.000        100.       70.000      143.000                      .           .
146  STATIC         LC             442.     302.000     646.000                    .            .             333.     194.000     573.000
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METHYL DEMETON

CAS # 8022-00-2   PRINCIPAL USE: INSECTICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
2	90.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	750.	650.000	860.000		.	.	190.	170.000	210.000
2	STATIC	LC	960.	690.000	1340.000		.	.	35.	30.000	39.000

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METHYL PARATHION

CAS # 298-00-0   PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.1	44
2	90.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
3	90.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
4	90.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
5	90.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
6	90.00% TECHNICAL MATERIAL	ORCONECTES NAIS	MATURE	.	15.0	7.4	272
7	90.00% TECHNICAL MATERIAL	ISCHNURA VERTICALIS	LATE INSTAR	.	15.0	7.4	272
8	90.00% TECHNICAL MATERIAL	COHO SALMON		1.00	12.0	7.1	44
9	90.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.20	12.0	7.4	162
10	90.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		3.40	12.0	7.4	162
11	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.1	44
12	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.4	272
13	90.00% TECHNICAL MATERIAL	BROWN TROUT		1.10	12.0	7.1	44
14	90.00% TECHNICAL MATERIAL	LAKE TROUT		0.50	12.0	7.4	162
15	90.00% TECHNICAL MATERIAL	LAKE TROUT		2.90	12.0	7.4	162
16	90.00% TECHNICAL MATERIAL	NORTHERN PIKE		0.40	18.0	7.1	44
17	90.00% TECHNICAL MATERIAL	GOLDFISH		0.90	18.0	7.1	44
18	90.00% TECHNICAL MATERIAL	CARP		0.60	18.0	7.1	44
19	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.1	44
20	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.4	272
21	77.00% LIQUID	FATHEAD MINNOW		0.60	22.0	7.2	40
22	90.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	18.0	7.1	44
23	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.1	44
24	90.00% TECHNICAL MATERIAL	GREEN SUNFISH		0.80	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.14	0.090	0.200		.	.
2	STATIC	EC		.	.	0.16	0.110	0.240		.	.
3	STATIC	EC		.	.	0.37	0.230	0.570		.	.
4	STATIC	LC	10.	.	.		.	.	3.8	2.600	5.500
5	STATIC	LC	16.	.	.		.	.	4.3	3.600	5.200
6	STATIC	LC	86.	.	.		.	.	15.	.	.
7	STATIC	LC	120.	.	.		.	.	33.	.	.
8	STATIC	LC	6930.	6270.000	7670.000		.	.	5300.	4900.000	5600.000
9	STATIC	LC	2740.	1210.000	6230.000		.	.	1850.	1390.000	2470.000
10	STATIC	LC	6840.	5420.000	8660.000		.	.	4880.	4150.000	5730.000
11	STATIC	LC	4050.	3260.000	5030.000		.	.	3700.	3130.000	4380.000
12	STATIC	LC	4400.	3640.000	5300.000		.	.	2750.	2000.000	3780.000
13	STATIC	LC	>7500.	.	.		.	.	4700.	3900.000	5750.000
14	STATIC	LC	4980.	3700.000	6710.000		.	.	3780.	2810.000	5090.000
15	STATIC	LC	5180.	4220.000	6360.000		.	.	3360.	2910.000	3890.000
16	STATIC	LC	760.	.	.		.	.		.	.
17	STATIC	LC	9350.	8700.000	10000.000		.	.	9000.	8100.000	9900.000
18	STATIC	LC	8770.	7640.000	10100.000		.	.	7130.	6440.000	7870.000
19	STATIC	LC	10000.	8650.000	11600.000		.	.	8900.	7780.000	10200.000
20	STATIC	LC	10700.	9750.000	11800.000		.	.	9960.	8630.000	11500.000
21	STATIC	LC		.	.		.	.	7200.	5700.000	9100.000
22	STATIC	LC	7910.	6460.000	9660.000		.	.	6640.	4970.000	8880.000
23	STATIC	LC	7120.	6480.000	7830.000		.	.	5240.	4270.000	6440.000
24	STATIC	LC	9610.	8740.000	10600.000		.	.	6860.	5590.000	8420.000

METHYL PARATHION
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	90.00% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.4	272
26	90.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.1	44
27	90.00% TECHNICAL MATERIAL	BLUEGILL		0.90	18.0	7.4	272
28	77.00% LIQUID	BLUEGILL		0.60	22.0	7.2	40
29	90.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	18.0	7.1	44
30	90.00% TECHNICAL MATERIAL	YELLOW PERCH		1.40	18.0	7.1	44
31	90.00% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	.	15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	10200.	8700.000	12000.000		.	.	6900.	6030.000	7890.000
26	STATIC	LC	6360.	4760.000	8510.000		.	.	4380.	3480.000	5510.000
27	STATIC	LC	9600.	8940.000	10310.000		.	.	6900.	6400.000	7440.000
28	STATIC	LC		.	.		.	.	1000.	600.000	1600.000
29	STATIC	LC	5950.	4940.000	7180.000		.	.	5220.	4320.000	6310.000
30	STATIC	LC	4930.	4000.000	6080.000		.	.	3060.	2530.000	3700.000
31	STATIC	LC	7600.	.	.		.	.	3700.	.	.

METHYL TRITHION

CAS # 953-17-3 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

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OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	91.40% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	44
2	91.40% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.4	44
3	91.40% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	12.0	7.1	44
4	91.40% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.4	272
5	91.40% TECHNICAL MATERIAL	CHANNEL CATFISH		1.10	18.0	7.1	44
6	91.40% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.1	44
7	91.40% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.4	272
8	91.40% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70	18.0	7.4	272
9	91.40% TECHNICAL MATERIAL	TILAPIA		0.80	24.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	50.	33.000	75.000		.	.	11.	8.000	15.000
2	STATIC	LC	>10.	.	.		.	.	6.2	.	.
3	STATIC	LC	1600.	1400.000	1800.000		.	.	1200.	1100.000	1400.000
4	STATIC	LC	1700.	1322.000	2187.000		.	.	760.	605.000	954.000
5	STATIC	LC	17000.	12681.000	22790.000		.	.	2800.	2330.000	3365.000
6	STATIC	LC	1350.	1028.000	1773.000		.	.	960.	743.000	1240.000
7	STATIC	LC	2740.	1400.000	5340.000		.	.	820.	580.000	1150.000
8	STATIC	LC	1850.	1380.000	2479.000		.	.	610.	442.000	841.000
9	STATIC	LC	2200.	1752.000	2763.000	1020.	845.000	1231.000		.	.

METOLACHLOR

CAS # 51218-45-2 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.40% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.2	44
2	87.00% EMULSIFIABLE CONCENTRATE	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.2	44
3	95.40% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	6.9	40
4	87.00% EMULSIFIABLE CONCENTRATE	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	6.9	40
5	95.40% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	22.0	7.4	40
6	87.00% EMULSIFIABLE CONCENTRATE	FATHEAD MINNOW		0.50	22.0	7.4	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	23.5	18.700	29.500		.	.
2	STATIC	EC		.	.	26.0	19.400	34.900		.	.
3	STATIC	EC		.	.	3.8	2.100	10.300		.	.
4	STATIC	EC		.	.	4.4	3.200	6.100		.	.
5	STATIC	LC		.	.		.	.	8.0	5.400	12.000
6	STATIC	LC		.	.		.	.	8.4	6.400	11.000

BEST COPY AVAILABLE

METRIBUZIN

CAS # 21087-64-9 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.4	40
2	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.3	40
3	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.22	22.0	7.4	40
4	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.92	22.0	7.5	42
5	90.00% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.6	48

BEST COPY AVAILABLE

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	>100.	.	.		.	.
2	STATIC	LC		.	.		.	.	42.	32.900	53.700
3	STATIC	LC		.	.		.	.	>100.	.	.
4	STATIC	LC		.	.		.	.	>100.	.	.
5	STATIC	LC		.	.		.	.	92.	68.000	124.000

MEVINPHOS

CAS # 7786-34-7   PRINCIPAL USE: INSECTICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	60.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.4	44
2	60.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.4	44
3	60.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.4	44
4	60.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	EARLY INSTAR	.	15.0	7.4	44
5	60.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272
6	60.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	44
7	60.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	21.0	7.4	44
8	60.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	IMMATURE	.	15.0	7.4	272
9	60.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.4	44
10	60.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	12.0	7.4	44
11	60.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.00	18.0	7.4	44
12	60.00% TECHNICAL MATERIAL	BLUEGILL		1.30	18.0	7.4	44
13	60.00% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.4	272
14	60.00% TECHNICAL MATERIAL	BLUEGILL		0.90	24.0	7.4	44
15	60.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.4	272
16	60.00% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	0.20	16.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC	0.23	0.170	0.310	0.18	0.130	0.250		.	.
2	STATIC	EC	0.76	0.540	1.070	0.42	0.320	0.560		.	.
3	STATIC	EC	0.98	0.660	1.460	0.49	0.370	0.650		.	.
4	STATIC	LC		.	.		.	.	61.	39.200	94.900
5	STATIC	LC	14.	12.000	16.000		.	.	2.8	2.000	3.900
6	STATIC	LC	19.	17.000	22.000		.	.	3.5	3.100	3.900
7	STATIC	LC	650	460.000	920.000		.	.	130.	100.000	170.000
8	STATIC	LC	210.	124.000	355.000		.	.	13.5	11.300	16.200
9	STATIC	LC	56.	47.000	67.000		.	.	5.	3.600	6.900
10	STATIC	LC	37.	30.700	44.500		.	.	11.9	10.700	13.200
11	STATIC	LC	1180.	940.000	1480.000		.	.	<280.	.	.
12	STATIC	LC	270.	222.000	327.000		.	.	59.0	48.600	71.700
13	STATIC	LC	430.	358.000	517.000		.	.	87.	71.800	105.000
14	STATIC	LC	39.0	31.800	47.800		.	.	22.5	19.600	25.800
15	STATIC	LC	220.	185.000	262.000		.	.	115.	87.000	152.000
16	STATIC	LC	>3200.	.	.		.	.	>3200.	.	.

BEST COPY AVAILABLE

MEXACARBATE

CAS # 315-18-4 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	90.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	90.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	21.0	7.1	44
4	90.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
5	90.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
6	90.00% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	12.0	7.5	44
7	90.00% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	12.0	8.5	44
8	90.00% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	12.0	9.5	44
9	90.00% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	12.0	7.5	314
10	90.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
11	90.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
12	90.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
13	90.00% TECHNICAL MATERIAL	COHO SALMON		0.50	7.0	7.5	44
14	90.00% TECHNICAL MATERIAL	COHO SALMON		0.50	12.0	7.5	44
15	90.00% TECHNICAL MATERIAL	COHO SALMON		0.50	17.0	7.5	44
16	90.00% TECHNICAL MATERIAL	COHO SALMON		0.50	12.0	6.5	44
17	90.00% TECHNICAL MATERIAL	COHO SALMON		0.70	12.0	9.0	44
18	90.00% TECHNICAL MATERIAL	COHO SALMON		0.50	12.0	6.6	12
19	90.00% TECHNICAL MATERIAL	COHO SALMON		0.50	12.0	7.8	170
20	90.00% TECHNICAL MATERIAL	COHO SALMON		0.50	12.0	7.5	44
21	90.00% TECHNICAL MATERIAL	COHO SALMON		0.50	12.0	7.5	44
22	90.00% TECHNICAL MATERIAL	COHO SALMON		0.50	12.0	7.5	44
23	90.00% TECHNICAL MATERIAL	COHO SALMON		0.50	12.0	7.5	314
24	90.00% TECHNICAL MATERIAL	COHO SALMON		0.60	12.0	7.5	314

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.010	0.007	0.015		.	.
2	STATIC	EC		.	.	0.013	0.011	0.016		.	.
3	STATIC	LC		.	.		.	.	>10.0	.	.
4	STATIC	LC	0.080	0.060	0.120		.	.	0.040	0.028	0.060
5	STATIC	LC	0.086	0.061	0.120		.	.	0.046	0.034	0.062
6	STATIC	LC	5.00	.	.		.	.	1.23	.	.
7	STATIC	LC	3.46	2.740	4.380		.	.	2.07	.	.
8	STATIC	LC	3.70	2.110	6.470		.	.	1.72	1.260	2.340
9	FLOW THROUGH	LC	>10.0	.	.		.	.	10.30	6.960	15.240
10	STATIC	LC	0.090	.	.		.	.	0.012	.	.
11	FLOW THROUGH	LC	0.12	0.080	0.190		.	.	0.083	0.018	0.374
12	STATIC	LC	0.032	0.025	0.041		.	.	0.010	0.007	0.014
13	STATIC	LC	30.0	26.400	34.100		.	.	21.0	17.000	25.900
14	STATIC	LC	24.5	21.300	28.200		.	.	23.0	19.700	26.900
15	STATIC	LC	22.5	20.700	24.400		.	.	21.0	19.100	23.000
16	STATIC	LC	32.0	29.900	34.300		.	.	22.0	20.400	23.900
17	STATIC	LC	12.9	10.300	16.100		.	.	4.00	3.350	4.770
18	STATIC	LC	21.9	20.100	23.900		.	.	19.5	18.100	21.000
19	STATIC	LC	24.1	21.300	27.300		.	.	19.7	18.300	21.200
20	7 DAY DEGRA	LC	27.0	22.800	32.000		.	.	15.0	11.600	19.500
21	14 DAY DEGRA	LC	15.0	11.600	19.500		.	.	7.20	5.420	9.560
22	21 DAY DEGRA	LC	14.7	11.300	19.200		.	.	7.20	5.420	9.560
23	FLOW THROUGH	LC	>10.	.	.		.	.	11.4	9.940	13.100
24	FLOW THROUGH	LC	14.7	13.400	16.200		.	.	11.9	10.900	13.000

MEXACARBATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	90.00% TECHNICAL MATERIAL	COHO SALMON	GREEN EGG	.	12.0	7.5	44
26	90.00% TECHNICAL MATERIAL	COHO SALMON	GREEN EGG	.	12.0	7.8	170
27	90.00% TECHNICAL MATERIAL	COHO SALMON	GREEN EGG	.	12.0	8.2	300
28	90.00% TECHNICAL MATERIAL	CHINOOK SALMON		0.40	12.0	7.5	44
29	90.00% TECHNICAL MATERIAL	CHINOOK SALMON		0.40	12.0	6.6	12
30	90.00% TECHNICAL MATERIAL	CHINOOK SALMON		0.40	12.0	7.8	170
31	90.00% TECHNICAL MATERIAL	CHINOOK SALMON	GREEN EGG	.	12.0	7.5	44
32	90.00% TECHNICAL MATERIAL	CHINOOK SALMON	GREEN EGG	.	12.0	7.8	170
33	90.00% TECHNICAL MATERIAL	CHINOOK SALMON	GREEN EGG	.	12.0	8.2	300
34	90.00% TECHNICAL MATERIAL	CHINOOK SALMON	YOLK-SAC FRY	.	12.0	7.5	44
35	90.00% TECHNICAL MATERIAL	CHINOOK SALMON	YOLK-SAC FRY	.	12.0	7.8	170
36	90.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	10.0	6.0	44
37	90.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80	10.0	7.5	44
38	90.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	10.0	9.0	44
39	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	6.0	7.4	44
40	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	11.0	7.4	44
41	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.1	44
42	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	13.0	7.4	272
43	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	2.0	7.1	44
44	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	7.0	7.1	44
45	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	13.0	7.1	44
46	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	18.0	7.1	44
47	90.00% TECHNICAL MATERIAL	RAINBOW TROUT	GREEN EGG	.	12.0	6.5	44
48	90.00% TECHNICAL MATERIAL	RAINBOW TROUT	GREEN EGG	.	12.0	8.0	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	55.8	39.600	78.600		.	.	5.20	4.360	6.200
26	STATIC	LC	>20.	.	.		.	.	13.2	10.500	16.600
27	STATIC	LC	>40.	.	.		.	.	7.06	5.900	8.440
28	STATIC	LC	22.7	19.400	26.500		.	.	22.7	19.400	26.500
29	STATIC	LC	>20.0	.	.		.	.	24.9	.	.
30	STATIC	LC	>20.0	.	.		.	.	18.5	.	.
31	STATIC	LC	>30.0	.	.		.	.	24.6	20.900	29.000
32	STATIC	LC	22.9	20.000	26.200		.	.	14.3	11.900	17.200
33	STATIC	LC	21.9	19.100	25.200		.	.	11.1	9.630	12.800
34	STATIC	LC	21.5	17.000	27.200		.	.	8.1	.	.
35	STATIC	LC	16.4	14.400	18.700		.	.	8.10	5.950	11.000
36	STATIC	LC	14.6	10.900	19.500		.	.	10.5	7.730	14.300
37	STATIC	LC	19.5	18.200	20.800		.	.	15.8	15.100	16.500
38	STATIC	LC	<3.2	.	.		.	.	0.63	0.480	0.830
39	STATIC	LC	43.0	35.800	51.600		.	.	17.0	14.300	20.300
40	STATIC	LC	31.0	27.400	35.100		.	.	12.0	10.300	14.000
41	STATIC	LC	12.0	6.000	24.000		.	.	8.1	5.100	12.700
42	STATIC	LC	8.6	5.400	13.600		.	.	4.45	2.800	7.100
43	STATIC	LC	21.9	19.600	24.500		.	.	10.7	9.600	11.900
44	STATIC	LC	19.9	18.300	21.600		.	.	17.0	15.700	18.400
45	STATIC	LC	24.2	22.800	25.600		.	.	15.0	14.000	16.100
46	STATIC	LC	13.9	13.200	14.600		.	.	10.7	9.900	11.600
47	STATIC	LC	44.0	26.800	72.300		.	.	6.00	3.920	9.190
48	STATIC	LC	56.2	27.500	114.800		.	.	3.65	2.490	5.340

MEXACARBATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.50	12.0	7.5	44
50	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.50	12.0	7.5	314
51	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	7.0	7.5	44
52	90.00% TECHNICAL MATERIAL	BROWN TROUT		0.70	12.0	7.5	44
53	90.00% TECHNICAL MATERIAL	BROWN TROUT	GREEN EGG	.	12.0	7.5	44
54	90.00% TECHNICAL MATERIAL	BROWN TROUT	GREEN EGG	.	12.0	7.8	170
55	90.00% TECHNICAL MATERIAL	BROWN TROUT	GREEN EGG	.	12.0	8.2	300
56	90.00% TECHNICAL MATERIAL	BROWN TROUT	YOLK-SAC FRY	.	12.0	7.5	44
57	90.00% TECHNICAL MATERIAL	BROWN TROUT	YOLK-SAC FRY	.	12.0	7.8	170
58	90.00% TECHNICAL MATERIAL	BROOK TROUT		0.50	12.0	7.5	44
59	90.00% TECHNICAL MATERIAL	LAKE TROUT		1.00	12.0	7.4	162
60	90.00% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44
61	90.00% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.4	272
62	90.00% TECHNICAL MATERIAL	CARP		0.60	18.0	7.1	44
63	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	18.0	7.1	44
64	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.4	272
65	90.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	18.0	7.1	44
66	90.00% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	18.0	7.4	272
67	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.1	44
68	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	25.0	7.4	272
69	90.00% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.1	44
70	90.00% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.4	272
71	90.00% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.1	44
72	90.00% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.4	272

OBS	__ TEST TYPE __		___ 24 HOUR ___	CONFIDENCE INTERVAL		___ 48 HOUR ___	CONFIDENCE INTERVAL		___ 96 HOUR ___	CONFIDENCE INTERVAL	
49	STATIC	LC	27.1	24.900	29.500		.	.	22.3	19.200	25.900
50	FLOW THROUGH	LC	>10.0	.	.		.	.	7.60	7.090	8.150
51	STATIC	LC	>30.0	.	.		.	.	21.3	17.600	25.700
52	STATIC	LC	26.0	24.200	28.000		.	.	20.0	18.400	21.700
53	STATIC	LC	18.3	16.400	20.400		.	.	3.49	2.980	4.080
54	STATIC	LC	20.0	17.000	23.600		.	.	4.52	3.930	5.200
55	STATIC	LC	12.7	10.100	16.000		.	.	2.32	2.100	2.570
56	STATIC	LC	>20.0	.	.		.	.	16.5	11.800	23.000
57	STATIC	LC	>20.0	.	.		.	.	14.0	10.100	19.500
58	STATIC	LC	21.2	19.200	23.400		.	.	21.2	19.200	23.400
59	STATIC	LC	8.87	3.960	19.900		.	.	8.15	3.690	18.000
60	STATIC	LC	22.7	18.400	28.000		.	.	14.0	8.900	22.300
61	STATIC	LC	20.1	14.100	28.700		.	.	19.4	13.600	27.700
62	STATIC	LC	13.7	11.500	16.300		.	.	13.4	11.300	16.000
63	STATIC	LC	20.3	17.600	23.500		.	.	17.0	15.700	18.200
64	STATIC	LC	15.0	13.700	16.600		.	.	9.26	6.840	12.500
65	STATIC	LC	21.0	16.400	26.500		.	.	16.7	13.600	20.500
66	STATIC	LC	12.1	8.700	16.800		.	.	10.5	8.130	13.500
67	STATIC	LC	14.1	13.100	19.000		.	.	11.4	8.250	15.900
68	STATIC	LC	0.57	0.500	0.640		.	.	0.57	0.500	0.640
69	STATIC	LC	17.0	14.700	19.600		.	.	16.7	14.500	19.300
70	STATIC	LC	18.0	16.000	21.000		.	.	13.4	11.100	16.200
71	STATIC	LC	16.3	10.300	25.900		.	.	11.2	8.260	15.300
72	STATIC	LC	26.0	15.800	43.000		.	.	17.3	11.900	25.200

MEXACARBATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
73	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	6.5	44
74	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.5	44
75	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	8.5	44
76	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	9.0	44
77	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	9.5	44
78	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	6.5	44
79	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	6.5	44
80	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	8.5	44
81	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	8.5	44
82	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	9.5	44
83	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	9.5	44
84	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	9.5	44
85	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	9.5	44
86	90.00% TECHNICAL MATERIAL	BLUEGILL	FINGERLING	.	12.0	7.5	314
87	90.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	18.0	7.1	44
88	90.00% TECHNICAL MATERIAL	YELLOW PERCH		0.40	12.0	7.5	44
89	90.00% TECHNICAL MATERIAL	YELLOW PERCH		0.40	17.0	7.5	44
90	90.00% TECHNICAL MATERIAL	YELLOW PERCH		12.80	12.0	7.5	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
73	STATIC	LC	27.8	26.000	29.700		.	.	22.9	21.300	24.600
74	STATIC	LC	27.2	25.600	28.900		.	.	22.9	21.300	24.600
75	STATIC	LC	22.5	20.800	24.400		.	.	4.05	2.800	5.860
76	STATIC	LC	>10.0	.	.		.	.	1.51	1.030	2.210
77	STATIC	LC	8.15	6.830	9.720		.	.	0.60	0.520	0.690
78	7 DAY DEGRA	LC	>25.0	.	.		.	.	18.0	15.300	21.200
79	14 DAY DEGRA	LC	19.0	16.300	22.600		.	.	9.00	6.370	12.700
80	7 DAY DEGRA	LC	>3.0	.	.		.	.	1.05	0.780	1.410
81	14 DAY DEGRA	LC	1.04	0.840	1.290		.	.	0.98	0.750	1.280
82	7 DAY DEGRA	LC	1.95	1.330	2.860		.	.	0.92	0.760	1.110
83	10 DAY DEGRA	LC	1.17	0.920	1.450		.	.	0.79	0.630	0.970
84	21 DAY DEGRA	LC	1.20	0.850	1.720		.	.	0.28	0.210	0.370
85	28 DAY DEGRA	LC	>3.0	.	.		.	.	>3.0	.	.
86	FLOW THROUGH	LC	13.7	12.600	14.800		.	.	13.7	12.600	14.800
87	STATIC	LC	16.1	14.700	17.100		.	.	14.7	13.800	15.800
88	STATIC	LC	17.1	15.400	19.000		.	.	16.2	13.800	19.000
89	STATIC	LC	17.2	15.400	19.200		.	.	16.9	15.100	18.900
90	FLOW THROUGH	LC	8.60	7.810	9.470		.	.	8.30	7.570	9.100

MIREX

CAS # 2385-85-5 PRINCIPAL USE: INSECTICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	40
2	98.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	16.0	7.4	40
3	98.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	16.0	7.4	40
4	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.7	38
5	98.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.7	38
6	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	40
7	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	272
8	50.00% WETTABLE POWDER	FATHEAD MINNOW		1.30	18.0	7.4	40
9	50.00% WETTABLE POWDER	BLUEGILL		1.10	18.0	7.4	40
10	50.00% WETTABLE POWDER	BLUEGILL		1.00	18.0	7.8	135
11	50.00% WETTABLE POWDER	LARGEMOUTH BASS		0.70	18.0	7.8	135
12	98.00% TECHNICAL MATERIAL	YELLOW PERCH		2.60	15.0	7.4	40
13	50.00% WETTABLE POWDER	WALLEYE		1.40	18.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	>1.0	.	.		.	.
2	STATIC	EC		.	.	>.100	.	.		.	.
3	STATIC	EC		.	.	>.100	.	.		.	.
4	STATIC	LC	>1.0	.	.		.	.	>1.0	.	.
5	STATIC	EC	>1.0	.	.	>1.0	.	.		.	.
6	STATIC	LC	>100.	.	.		.	.	>100.	.	.
7	STATIC	LC	>100.	.	.		.	.	>100.	.	.
8	STATIC	LC	>100.	.	.		.	.	>100.	.	.
9	STATIC	LC	>100.	.	.		.	.	>100.	.	.
10	STATIC	LC	>100.	.	.		.	.	>100.	.	.
11	STATIC	LC	>100.	.	.		.	.	>100.	.	.
12	STATIC	LC	>100.	.	.		.	.	>100.	.	.
13	STATIC	LC	>100.	.	.		.	.	>100.	.	.

MITIN FF

CAS # 24019-05-4   PRINCIPAL USE: MOTHPROOFER   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	83.40% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	17.0	7.1	40
2	83.40% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	9.1	7.100	11.700		.	.	6.1	4.500	8.200
2	STATIC	LC	14.7	10.500	20.000		.	.	4.8	2.400	9.600

CAS # 5903-13-9 PRINCIPAL USE: ACARICIDE

MNFA

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	25.00% WETTABLE POWDER	BLUEGILL		1.00	18.0	7.1	40

OBS	TEST TYPE		24 HOUR		48 HOUR		96 HOUR	
			CONFIDENCE	INTERVAL	CONFIDENCE	INTERVAL	CONFIDENCE	INTERVAL
1	STATIC	LC	.	.	.	.	5.600	18.000

MOLINATE

CAS # 2212-67-1 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.1	44
2	98.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	40
3	98.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.1	44
4	98.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.4	40
5	98.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	16.0	7.1	44
6	71.30% EMULSIFIABLE CONCENTRATE	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	16.0	7.1	44
7	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.60	12.0	7.4	40
8	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	24.0	7.4	40
9	98.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	16.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	0.18	.	.		.	.
2	STATIC	LC	9.8	6.900	14.000		.	.	4.5	3.500	5.800
3	STATIC	LC		.	.	0.4	.	.		.	.
4	STATIC	LC		.	.		.	.	0.34	0.240	0.470
5	STATIC	LC		.	.		.	.	0.34	0.240	0.470
6	STATIC	LC		.	.		.	.	2.3	1.700	3.100
7	STATIC	LC	0.41	0.320	0.530		.	.	0.21	0.160	0.290
8	STATIC	LC	0.64	0.460	0.890		.	.	0.32	0.190	0.530
9	STATIC	LC	33.	18.000	60.000		.	.	26.	11.000	43.000

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MON 0818

CAS # 63705-00-0 PRINCIPAL USE: SURFACTANT

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	20.0	6.5	44
2	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		2.00	12.0	6.5	44
4	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.0	44
5	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	9.5	44
6	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.60	22.0	7.4	44
7	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	22.0	7.4	44
8	100.0% TECHNICAL MATERIAL	BLUEGILL		1.30	22.0	7.4	44
9	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.4	44
10	100.0% TECHNICAL MATERIAL	BLUEGILL		0.40	22.0	6.5	44
11	100.0% TECHNICAL MATERIAL	BLUEGILL		0.40	22.0	9.5	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	5.2	3.700	7.200		.	.
2	STATIC	EC		.	.	13.	7.100	24.000		.	.
3	STATIC	LC	7.4	6.200	8.900		.	.	7.4	6.100	9.000
4	STATIC	LC	2.1	1.600	2.700		.	.	2.0	1.500	2.700
5	STATIC	LC	0.790	0.610	1.030		.	.	0.680	0.510	0.910
6	STATIC	LC	1.4	1.200	1.700		.	.	1.4	1.200	1.700
7	STATIC	LC	18.	8.500	38.100		.	.	13.	9.980	16.900
8	STATIC	LC	3.9	2.220	6.840		.	.	3.900	2.220	6.840
9	STATIC	LC	3.0	2.500	3.700		.	.	3.0	2.500	3.700
10	STATIC	LC	4.2	3.100	5.700		.	.	3.0	2.200	4.100
11	STATIC	LC	1.3	1.100	1.600		.	.	1.0	0.720	1.400

MONOCROTOPHOS

CAS # 6923-22-4 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
2	38.00% LIQUID	RAINBOW TROUT		0.50	13.0	7.1	44
3	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.1	44
4	38.00% LIQUID	CHANNEL CATFISH		1.40	18.0	7.1	44
5	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>1.00	.	.		.	.	0.26	.	.
2	STATIC	LC	12.0	.	.		.	.	5.20	.	.
3	STATIC	LC	>50.0	.	.		.	.	>50.0	.	.
4	STATIC	LC	>32.0	.	.		.	.	4.93	2.580	9.430
5	STATIC	LC	>32.0	.	.		.	.	12.1	7.200	20.100

BEST COPY AVAILABLE

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    CAS # 141-43-5      PRINCIPAL USE:  EMISSION SCRUBBER                          MONOETHANOLAMINE
                                                                                        MEASURED IN MG /L
                    CHEMICAL
 OBS               DESCRIPTION                 SPECIES            SIZE        WEIGHT                    DEG.  HARDNESS
                                                                                                        CENT.  PH  MG/L
  1   99.00% TECHNICAL MATERIAL          RAINBOW TROUT       FINGERLING          .                      15.0  7.4    272
  2   99.00% TECHNICAL MATERIAL          RAINBOW TROUT       YOLK-SAC FRY        .                      10.0  7.4    272
  3   99.00% TECHNICAL MATERIAL          BLUEGILL                              0.30                     20.0  7.4    272



 OBS   __ TEST TYPE __          __ 24 HOUR __                      __ 48 HOUR __                      __ 96 HOUR __
                                      CONFIDENCE  INTERVAL              CONFIDENCE  INTERVAL              CONFIDENCE  INTERVAL

  1    FLOW THROUGH  LC        >200.        .            .                     .           .          >200.        .            .
  2    STATIC        LC         150.     115.000      196.000                  .           .           150.     114.000      196.000
  3    STATIC        LC                  300.000     1000.000                  .           .                    300.000     1000.000
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MSMA

CAS # 2163-80-6 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	34.80% LIQUID CONCENTRATE	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	44
2	51.20% LIQUID CONCENTRATE	RAINBOW TROUT		0.60	12.0	7.4	44
3	34.80% LIQUID CONCENTRATE	GOLDFISH		0.90	18.0	7.1	44
4	34.80% LIQUID CONCENTRATE	FATHEAD MINNOW		0.90	18.0	7.1	44
5	37.70% SPRAY CONCENTRATE	CHANNEL CATFISH		2.10	17.0	7.1	44
6	34.80% LIQUID CONCENTRATE	BLUEGILL		0.90	18.0	7.1	44
7	37.70% SPRAY CONCENTRATE	BLUEGILL		1.00	17.0	7.1	44
8	51.20% LIQUID CONCENTRATE	BLUEGILL		1.00	22.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.
2	STATIC	LC	>100.	.	.		.	.	78.	60.000	101.000
3	STATIC	LC	37.9	29.100	49.300		.	.	31.1	24.400	38.800
4	STATIC	LC	16.2	9.300	28.300		.	.	13.3	5.100	35.800
5	STATIC	LC	36.2	27.000	48.400		.	.	26.8	20.000	35.900
6	STATIC	LC	13.0	.	.		.	.	12.0	.	.
7	STATIC	LC	49.2	25.300	95.800		.	.	49.2	25.300	95.800
8	STATIC	LC	>100.	.	.		.	.	>100.	.	.

NALED

CAS # 300-76-5 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	90.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	90.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
4	90.00% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.1	44
5	90.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
6	90.00% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	15.0	7.4	272
7	90.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
8	90.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	12.0	7.4	162
9	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	13.0	7.1	44
10	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	13.0	7.4	272
11	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	2.0	7.1	44
12	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	7.0	7.1	44
13	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	13.0	7.1	44
14	90.00% TECHNICAL MATERIAL	LAKE TROUT		0.30	12.0	7.4	162
15	90.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.30	18.0	7.1	44
16	90.00% TECHNICAL MATERIAL	CHANNEL CATFISH		5.20	18.0	7.1	44
17	90.00% TECHNICAL MATERIAL	BLUEGILL		1.40	18.0	7.4	272
18	90.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70	18.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.4	0.200	0.800		.	.
2	STATIC	EC		.	.	1.1	1.000	1.200		.	.
3	STATIC	EC		.	.	1.1	0.800	1.400		.	.
4	STATIC	LC	110.	.	.		.	.	41.	.	.
5	STATIC	LC	32.	20.000	51.000		.	.	18.	16.000	20.000
6	STATIC	LC	180.	.	.		.	.	92.	.	.
7	STATIC	LC	27.	21.000	35.000		.	.	8.	6.000	11.000
8	STATIC	LC	148.	138.000	158.000		.	.	127.	115.000	139.000
9	STATIC	LC	216.	140.000	335.000		.	.	195.	126.000	302.000
10	STATIC	LC	141.	89.000	222.000		.	.	132.	83.000	208.000
11	STATIC	LC	1270.	1140.000	1400.000		.	.	345.	300.000	396.000
12	STATIC	LC	530.	450.000	620.000		.	.	250.	204.000	305.000
13	STATIC	LC	250.	210.000	290.000		.	.	175.	157.000	194.000
14	STATIC	LC	113.	84.000	153.000		.	.	87.	53.000	142.000
15	STATIC	LC	4200.	.	.		.	.	3300.	.	.
16	STATIC	LC	1200.	.	.		.	.	710.	.	.
17	STATIC	LC	2200.	.	.		.	.	2200.	.	.
18	STATIC	LC	1900.	.	.		.	.	1900.	.	.

N-BUTANOL

CAS # 71-36-3 PRINCIPAL USE: SOLVENT

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	BLUEGILL		0.10	20.0	7.4	270

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	>500.	.	.		.	.		100.000	500.000

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                                                                       NEODOL 25-9
      CAS #            PRINCIPAL USE:  SURFACTANT                              MEASURED IN UG /L

                   CHEMICAL                                                                                 DEG.  HARDNESS
   OBS           DESCRIPTION                  SPECIES               SIZE        WEIGHT                      CENT.  PH   MG/L

     1   100.0% TECHNICAL MATERIAL      RAINBOW TROUT                            1.10                       12.0  7.4    272
     2   100.0% TECHNICAL MATERIAL      RAINBOW TROUT                            1.10                       12.0  7.2     40
     3   100.0% TECHNICAL MATERIAL      FATHEAD MINNOW                           1.20                       18.0  7.4    272
     4   100.0% TECHNICAL MATERIAL      CHANNEL CATFISH                          1.60                       18.0  7.2     40


          __ TEST TYPE __          ___ 24 HOUR ___                    ___ 48 HOUR ___                    ___ 96 HOUR ___
   OBS                                     CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL

     1    STATIC         LC        1640.   1300.000    2100.000                  .           .        1160.    960.000   1400.000
     2    STATIC         LC        1390.   1030.000    1860.000                  .           .        1030.    775.000   1300.000
     3    STATIC         LC        1580.   1160.000    2150.000                  .           .        1580.   1160.000   2150.000
     4    STATIC         LC        1370.   1250.000    1500.000                  .           .        1200.   1040.000   1390.000
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                                                                                 NEODOL 25-12
       CAS #              PRINCIPAL USE:  SURFACTANT                                       MEASURED IN UG /L

                      CHEMICAL                                                                                          DEG.  HARDNESS
  OBS               DESCRIPTION                        SPECIES                 SIZE         WEIGHT                      CENT.  PH   MG/L

    1  99.90% TECHNICAL MATERIAL          FATHEAD MINNOW                                      1.15                      18.0  7.2     40
    2  99.90% TECHNICAL MATERIAL          FATHEAD MINNOW                                      1.15                      18.0  7.2     40
    3  99.90% TECHNICAL MATERIAL          CHANNEL CATFISH                                     1.60                      18.0  7.2     40




      _ TEST TYPE _              ___ 24 HOUR ___                         ___ 48 HOUR ___                         ___ 96 HOUR ___
  OBS                                     CONFIDENCE  INTERVAL                   CONFIDENCE  INTERVAL                   CONFIDENCE  INTERVAL

    1  STATIC         LC         3720.    2610.000    5300.000                        .           .       3620.    2470.000    5310.000
    2  STATIC         LC         3260.    1970.000    5390.000                        .           .       2940.    2380.000    3620.000
    3  STATIC         LC         2110.    1880.000    2370.000                        .           .       1840.    1600.000    2090.000
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NITRALIN

CAS # 4726-14-1   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	75.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
2	75.00% WETTABLE POWDER	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
3	75.00% WETTABLE POWDER	RAINBOW TROUT		0.60	12.0	7.4	44
4	75.00% WETTABLE POWDER	BLUEGILL		0.80	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.004	0.002	0.008		.	.
2	STATIC	LC	4.0	2.300	6.900		.	.	1.3	0.770	2.200
3	STATIC	LC	40.	27.800	57.500		.	.	30.0	22.000	40.800
4	STATIC	LC	62.0	51.000	75.300		.	.	62.0	51.000	75.300

CAS # 1929-82-4 PRINCIPAL USE: NITROGEN STABILIZER

NITRAPYRIN
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	93.60% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.1	44
2	93.60% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.4	272
3	13.00% LIQUID	RAINBOW TROUT		1.10	12.0	7.1	44
4	13.00% LIQUID	RAINBOW TROUT		1.10	12.0	7.4	272
5	93.60% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.1	44
6	93.60% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.4	272
7	93.60% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	7.5	6.900	8.200		.	.	7.5	6.900	8.200
2	STATIC	LC	8.9	6.400	12.300		.	.	6.5	4.800	8.600
3	STATIC	LC	2.3	1.700	3.000		.	.	2.3	1.700	3.000
4	STATIC	LC	2.8	2.600	3.000		.	.	2.8	2.600	3.000
5	STATIC	LC	11.0	10.000	12.000		.	.	10.2	8.800	11.700
6	STATIC	LC	9.8	8.000	12.100		.	.	9.6	7.800	11.600
7	STATIC	LC	7.8	5.100	11.800		.	.	5.8	4.600	7.300

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CAS # 1836-75-5 PRINCIPAL USE: HERBICIDE

NITROFEN

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	4.0	2.700	5.700		.	.	3.1	1.700	5.600

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                                                                                   N,N-DIMETHYL-2,4-DICHLOROPHENOXYACETAMIDE
   CAS #            PRINCIPAL USE:  HERBICIDE                                               MEASURED IN MG /L

                  CHEMICAL                                                                                         DEG.  HARDNESS
OBS              DESCRIPTION                  SPECIES              SIZE       WEIGHT                              CENT. PH  MG/L

  1  99.00% TECHNICAL MATERIAL          BLUEGILL                                 1.30                             18.0  7.4    44




OBS    __ TEST TYPE __          ___ 24 HOUR ___                  ___ 48 HOUR ___                    ___ 96 HOUR ___
                                         CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL              CONFIDENCE  INTERVAL

  1  STATIC          LC          133.       85.800      206.000                   .          .        81.60       63.500      105.000
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CAS # 38638-05-0   PRINCIPAL USE: HYDRAULIC FLUID

NONYLPHENYL DIPHENYL PHOSPHATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	RAINBOW TROUT		0.60	12.0	7.4	40
2	100.0% LIQUID	FATHEAD MINNOW		[illegible].00	22.0	7.3	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.

NOREA

CAS # 2163-79-3 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	16.0	7.1	44
2	100.0% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44
3	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.1	44
4	100.0% TECHNICAL MATERIAL	BLUEGILL		0.40	24.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	2.86	1.540	5.300		.	.	1.37	0.940	2.020
2	STATIC	LC	47.	39.000	57.000		.	.	37.	28.000	50.000
3	STATIC	LC	38.	30.000	49.000		.	.	32.	23.000	44.000
4	STATIC	LC	24.	20.000	29.000		.	.	13.	11.000	16.000

ORTHO 11775

CAS #   PRINCIPAL USE: INSECTICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	22.90% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.70	12.0	7.1	40
2	10.00% GRANULAR FORMULATION	RAINBOW TROUT		0.70	12.0	7.1	40
3	46.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.50	17.0	7.1	40
4	22.90% EMULSIFIABLE CONCENTRATE	FATHEAD MINNOW		0.50	17.0	7.1	40
5	10.00% GRANULAR FORMULATION	CHANNEL CATFISH		2.60	17.0	7.1	40
6	46.00% TECHNICAL MATERIAL	BLUEGILL		1.30	17.0	7.1	40
7	22.90% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.00	17.0	7.1	40

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OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	15.3	8.200	28.000		.	.	7.	.	.
2	STATIC	LC	22.	16.000	31.000		.	.	11.	.	.
3	STATIC	LC	92.	59.000	143.000		.	.	61.	42.000	88.000
4	STATIC	LC	128.	74.000	220.000		.	.	25.	15.000	42.000
5	STATIC	LC	>100.	.	.		.	.	23.	13.000	40.000
6	STATIC	LC	17.	7.200	38.000		.	.	16.	6.700	36.000
7	STATIC	LC	>12.	.	.		.	.	>12.	.	.

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                                                                          ORYZALIN
     CAS # 19044-88-3    PRINCIPAL USE:  HERBICIDE                                  MEASURED IN UG /L

                           CHEMICAL                                                                                        DEG.  HARDNESS
  OBS                   DESCRIPTION                  SPECIES               SIZE        WEIGHT                              CENT.  PH   MG/L

    1  75.00% WETTABLE POWDER         ASELLUS BREVICAUDUS     EARLY INSTAR       .                                    18.0  7.4    272
    2  75.00% WETTABLE POWDER         GAMMARUS FASCIATUS      IMMATURE           .                                    18.0  7.4     44
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        __ TEST TYPE __             ___ 24 HOUR ___                    ___ 48 HOUR ___                    ___ 96 HOUR ___
  OBS                                       CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL

    1  STATIC         LC         >1000.         .           .                   .          .           400.     190.000      841.000
    2  STATIC         LC           800.      507.000    1262.000                .          .           190.     137.000      263.000
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OVEX

CAS # 80-33-1 PRINCIPAL USE: ACARICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	16.0	7.1	44
2	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	13.0	7.1	44
3	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	13.0	7.1	44
4	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	13.0	7.4	272
5	90.00% TECHNICAL MATERIAL	BLUEGILL		0.70	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	1600.	.	.		.	.	310.	.	.
2	STATIC	LC	860.	.	.		.	.	620.	.	.
3	STATIC	LC	727.	.	.		.	.	623.	.	.
4	STATIC	LC	1030.	.	.		.	.	693.	.	.
5	STATIC	LC	870.	.	.		.	.	700.	.	.

OXAMYL

CAS # 23135-22-0   PRINCIPAL USE: INSECTICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	97.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	41
2	24.00% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	41
3	97.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	41
4	24.00% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	41
5	97.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	39
6	24.00% LIQUID	RAINBOW TROUT		0.60	12.0	7.4	39
7	97.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	22.0	7.4	40
8	24.00% LIQUID	CHANNEL CATFISH		0.60	22.0	7.4	40
9	97.00% TECHNICAL MATERIAL	BLUEGILL		0.30	22.0	7.1	42
10	24.00% LIQUID	BLUEGILL		0.30	22.0	7.1	42

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.42	0.330	0.530		.	.
2	STATIC	EC		.	.	5.6	3.800	8.200		.	.
3	STATIC	EC		.	.	0.18	0.130	0.250		.	.
4	STATIC	EC		.	.	0.17	0.120	0.250		.	.
5	STATIC	LC	6.5	5.000	8.400		.	.	4.2	3.100	5.400
6	STATIC	LC	9.8	7.100	13.400		.	.	3.7	2.500	5.400
7	STATIC	LC	21.5	16.500	28.000		.	.	17.5	12.700	24.100
8	STATIC	LC	24.	17.800	32.300		.	.	13.5	10.700	17.100
9	STATIC	LC		.	.		.	.	10.0	6.200	16.200
10	STATIC	LC		.	.		.	.	6.7	5.100	8.800

OXYDEMETON-METHYL

CAS # 301-12-2 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	50.00% EMULSIFIABLE CONCENTRATE	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.4	272
2	50.00% EMULSIFIABLE CONCENTRATE	GAMMARUS FASCIATUS	MATURE	.	15.0	7.1	44
3	50.00% EMULSIFIABLE CONCENTRATE	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
4	50.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		1.10	12.0	7.1	44
5	50.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		1.10	12.0	7.4	272
6	50.00% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		1.40	18.0	7.1	44
7	50.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.00	18.0	7.4	272
8	50.00% EMULSIFIABLE CONCENTRATE	LARGEMOUTH BASS		0.70	18.0	7.4	272
9	50.00% EMULSIFIABLE CONCENTRATE	WALLEYE		1.40	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	12000.	4600.000	31000.000		.	.	1400.	1100.000	1800.000
2	STATIC	LC	2100.	1246.000	3539.000		.	.	1000.	602.000	1659.000
3	STATIC	LC	>1800.	.	.		.	.	1200.	928.000	1552.000
4	STATIC	LC	8360.	4520.000	15500.000		.	.	6360.	4400.000	9200.000
5	STATIC	LC	6440.	5400.000	7700.000		.	.	4000.	3100.000	5200.000
6	STATIC	LC	34000.	30700.000	37600.000		.	.	<18000	.	.
7	STATIC	LC	54000.	42400.000	68700.000		.	.	13000.	10600.000	16700.000
8	STATIC	LC	56000.	48400.000	64700.000		.	.	31500.	27400.000	36200.000
9	STATIC	LC	24000.	.	.		.	.	18000.	15600.000	20800.000

OXYTHIOQUINOX
MEASURED IN UG /L

CAS # 2439-01-2 PRINCIPAL USE: INSECTICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	87.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	13.0	7.1	40
2	87.00% TECHNICAL MATERIAL	BLUEGILL		0.80	20.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	1550.	.	.		.	.	260.	.	.
2	STATIC	LC	110.	.	.		.	.	74.	.	.

CAS # 106-46-7 PRINCIPAL USE: FUMIGANT

PARA-DICHLOROBENZENE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.75	13.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	880.	.	.		.	.	880.	.	.

PARAQUAT

CAS # 1910-42-5 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	24.00% LIQUID	DAPHNIA PULEX	1ST INSTAR	.	16.0	7.1	40
2	24.00% LIQUID	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	16.0	7.1	40
3	24.00% LIQUID	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	40
4	24.00% LIQUID	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	16.0	7.1	40
5	24.00% LIQUID	RAINBOW TROUT		0.50	13.0	7.1	40
6	42.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.1	40
7	24.00% LIQUID	BLUEGILL		0.90	24.0	7.1	40
8	42.00% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	16.0	7.1	40
9	42.00% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	.	16.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	4.0	2.700	6.000		.	.
2	STATIC	EC		.	.	3.7	2.800	4.800		.	.
3	STATIC	LC	38.	29.000	49.000		.	.	11.	8.100	15.000
4	STATIC	LC	>100.	.	.		.	.	>100.	.	.
5	STATIC	LC	>100.	.	.		.	.	15.	11.000	19.000
6	STATIC	LC	>100.	.	.		.	.	>100.	.	.
7	STATIC	LC	21.	15.000	28.000		.	.	13.	8.500	19.000
8	STATIC	LC	56.	47.000	66.000		.	.	15.	9.600	23.000
9	STATIC	LC	43.	.	.		.	.	28.	.	.

PARATHION

CAS # 56-38-2 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.70% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.1	44
2	98.70% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
3	98.70% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
4	98.70% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	44
5	98.70% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.1	44
6	98.70% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	21.0	7.1	44
7	98.70% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
8	98.70% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	272
9	98.70% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	272
10	98.70% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
11	98.70% TECHNICAL MATERIAL	ORCONECTES NAIS	EARLY INSTAR	.	21.0	7.4	272
12	98.70% TECHNICAL MATERIAL	ORCONECTES NAIS	MATURE	.	21.0	7.4	272
13	98.70% TECHNICAL MATERIAL	PROCAMBARUS SP.	MATURE	.	12.0	7.4	44
14	98.70% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
15	98.70% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	272
16	98.70% TECHNICAL MATERIAL	CLAASSENIA SABULOSA	2ND YEAR CLASS	.	15.0	7.1	44
17	98.70% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	15.0	7.1	44
18	98.70% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
19	98.70% TECHNICAL MATERIAL	HEXAGENIA BILINEATA	LATE INSTAR	.	24.0	7.1	44
20	98.70% TECHNICAL MATERIAL	ISCHNURA VERTICALIS	LATE INSTAR	.	24.0	7.1	44
21	98.70% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.30	12.0	7.4	162
22	98.70% TECHNICAL MATERIAL	CUTTHROAT TROUT		3.40	12.0	7.4	162
23	98.70% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.1	44
24	98.70% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	12.0	7.1	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC	3.25	.	.		.	.		.	.
2	STATIC	EC		.	.	0.60	0.450	0.790		.	.
3	STATIC	EC		.	.	0.37	0.230	0.570		.	.
4	STATIC	EC	1.28	.	.	0.47	0.340	0.660		.	.
5	STATIC	LC		.	.		.	.	213.0	145.000	312.000
6	STATIC	LC	5600.	3200.000	7500.000		.	.	600.	200.000	2100.000
7	STATIC	LC	3.2	2.000	7.000		.	.	1.3	0.600	1.900
8	STATIC	LC	6.0	.	.		.	.	2.1	.	.
9	FLOW THROUGH	LC	8.6	.	.		.	.	4.5	.	.
10	STATIC	LC	12.	7.800	18.000		.	.	3.5	2.600	4.800
11	STATIC	LC	0.1	0.020	0.400		.	.	0.04	0.010	0.200
12	STATIC	LC	86.	40.000	120.000		.	.	15.	7.000	30.000
13	STATIC	LC		500.000	1000.000		.	.	<250.	.	.
14	STATIC	LC	10.	7.000	14.000		.	.	1.5	0.820	2.700
15	FLOW THROUGH	LC	10.	.	.		.	.	5.0	.	.
16	STATIC	LC	8.8	6.500	12.000		.	.	1.5	1.000	2.200
17	STATIC	LC	8.0	6.200	10.000		.	.	4.2	3.400	5.200
18	STATIC	LC	28.	19.000	42.000		.	.	5.4	4.700	6.200
19	STATIC	LC		.	.		.	.	5.	.	.
20	STATIC	LC		.	.		.	.	0.6	.	.
21	STATIC	LC	1560.	985.000	2470.000		.	.	1560.	985.000	2470.000
22	STATIC	LC	2580.	1870.000	3570.000		.	.	1970.	1610.000	2420.000
23	STATIC	LC	2030.	1390.000	2980.000		.	.	1430.	962.000	2110.000
24	STATIC	LC	1035.	838.000	1275.000		.	.	864.	699.000	1070.000

PARATHION
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT		DEG. CENT.	PH	HARDNESS MG/L
25	98.70% TECHNICAL MATERIAL	RAINBOW TROUT		1.00		12.0	7.4	272
26	98.70% TECHNICAL MATERIAL	RAINBOW TROUT		1.80		18.0	7.4	272
27	98.70% TECHNICAL MATERIAL	LAKE TROUT		0.70		12.0	7.4	162
28	98.70% TECHNICAL MATERIAL	LAKE TROUT		4.50		12.0	7.4	162
29	98.70% TECHNICAL MATERIAL	GOLDFISH		0.90		18.0	7.1	44
30	98.70% TECHNICAL MATERIAL	GOLDFISH		0.90		18.0	7.4	272
31	98.70% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80		18.0	7.1	44
32	98.70% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20		18.0	7.4	272
33	98.70% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40		18.0	7.1	44
34	98.70% TECHNICAL MATERIAL	MOSQUITOFISH		0.60	NON-RESISTANT STRAIN	17.0	7.1	44
35	98.70% TECHNICAL MATERIAL	MOSQUITOFISH		0.60	RESISTANT STRAIN	17.0	7.1	44
36	98.70% TECHNICAL MATERIAL	GREEN SUNFISH		1.10		18.0	7.1	44
37	98.70% TECHNICAL MATERIAL	GREEN SUNFISH		1.10		18.0	7.4	272
38	98.70% TECHNICAL MATERIAL	BLUEGILL		1.00		7.0	7.1	44
39	98.70% TECHNICAL MATERIAL	BLUEGILL		1.00		13.0	7.1	44
40	98.70% TECHNICAL MATERIAL	BLUEGILL		1.00		18.0	7.1	44
41	98.70% TECHNICAL MATERIAL	BLUEGILL		1.00		24.0	7.1	44
42	98.70% TECHNICAL MATERIAL	BLUEGILL		1.00		29.0	7.1	44
43	98.70% TECHNICAL MATERIAL	BLUEGILL		1.70		21.0	7.4	272
44	98.70% TECHNICAL MATERIAL	BLUEGILL		1.70		21.0	7.4	272
45	98.70% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70		18.0	7.4	272
46	98.70% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.		15.0	7.1	44
47	98.70% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	.		15.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	1580.	1200.000	2000.000		.	.	1350.	925.000	1990.000
26	FLOW THROUGH	LC	780.	370.000	1640.000		.	.	780.	370.000	1640.000
27	STATIC	LC	2260.	2050.000	2480.000		.	.	1920.	1750.000	2100.000
28	STATIC	LC	1970.	1610.000	2420.000		.	.	1490.	1020.000	2190.000
29	STATIC	LC	3930.	3000.000	5140.000		.	.	1830.	1350.000	2470.000
30	STATIC	LC	4830.	3120.000	7460.000		.	.	2170.	1400.000	3350.000
31	STATIC	LC	3620.	2710.000	4870.000		.	.	2350.	1760.000	3120.000
32	STATIC	LC	2760.	2210.000	3450.000		.	.	2090.	1420.000	3110.000
33	STATIC	LC	4900.	.	.		.	.	2650.	2160.000	3260.000
34	STATIC	LC		.	.		.	.	320.	156.000	647.000
35	STATIC	LC		.	.		.	.	359.	155.000	830.000
36	STATIC	LC	1800.	1236.000	2622.000		.	.	930.	675.000	1282.000
37	STATIC	LC	1500.	1097.000	2051.000		.	.	395.	318.000	491.000
38	STATIC	LC	1450.	749.000	2808.000		.	.	105.	50.000	219.000
39	STATIC	LC	2250.	1492.000	3393.000		.	.	355.	241.000	523.000
40	STATIC	LC	3000.	.	.		.	.	400.	295.000	543.000
41	STATIC	LC	66.	34.000	127.000		.	.	18.	10.000	32.000
42	STATIC	LC	450.	158.000	1278.000		.	.	33.	21.000	53.000
43	STATIC	LC	1450.	1158.000	1815.000		.	.	44.	29.000	67.000
44	FLOW THROUGH	LC	510.	167.000	1560.000		.	.	161.	75.000	346.000
45	STATIC	LC	1300.	1078.000	1568.000		.	.	620.	462.000	832.000
46	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
47	STATIC	LC	1600.	1322.000	1935.000		.	.	1080.	794.000	1462.000

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CAS #   PRINCIPAL USE: INSECTICIDE

PARATHION DITHIOATE ANALOGUE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.50	12.0	7.4	44
2	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.4	44
3	100.0% TECHNICAL MATERIAL	BLUEGILL		1.40	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.	970.	550.000	1700.000	750.	520.000	1100.000
2	STATIC	LC	3700.	3360.000	4070.000		.	.	3300.	3100.000	3600.000
3	STATIC	LC	46.	32.000	66.000		.	.	24.	15.000	38.000

PAROIL 160

CAS #　　PRINCIPAL USE: COOLANT　　MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	RAINBOW TROUT		1.00	17.0	7.4	272
2	100.0% LIQUID	CHANNEL CATFISH		1.20	20.0	7.4	40
3	100.0% LIQUID	BLUEGILL		0.80	12.0	7.5	314
4	100.0% LIQUID	YELLOW PERCH		3.00	12.0	7.5	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	FLOW THROUGH	LC	>10.9	.	.		.	.	>10.9	.	.
2	STATIC	LC	>10000	.	.		.	.	>10000	.	.
3	FLOW THROUGH	LC	>10700	.	.		.	.	>10700	.	.
4	FLOW THROUGH	LC	>10700	.	.		.	.	>10700	.	.

PAROIL 1032

CAS #   PRINCIPAL USE: PLASTICIZER   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	RAINBOW TROUT		0.60	12.0	7.4	44
2	100.0% LIQUID	RAINBOW TROUT	FINGERLING	0.40	12.0	7.6	314
3	100.0% LIQUID	CHANNEL CATFISH		1.20	20.0	7.4	44
4	100.0% LIQUID	BLUEGILL	FINGERLING	0.80	12.0	7.5	314
5	100.0% LIQUID	YELLOW PERCH		3.00	12.0	7.5	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>10000	.	.		.	.	140000	101000.000	195000.000
2	FLOW THROUGH	LC	>1000.	.	.		.	.	>1000.	.	.
3	STATIC	LC	>10000	.	.		.	.	>10000	.	.
4	FLOW THROUGH	LC	>1000.	.	.		.	.	1080.	845.000	1381.000
5	FLOW THROUGH	LC	>5000.	.	.		.	.	>5000.	.	.

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                                                                       PAROIL 1048
      CAS #                PRINCIPAL USE:  PLASTICIZER                         MEASURED IN UG /L

                    CHEMICAL                                                                                    DEG.  HARDNESS
  OBS             DESCRIPTION                      SPECIES               SIZE        WEIGHT                     CENT.  PH  MG/L

    1   100.0% LIQUID                 RAINBOW TROUT                                   0.60                      12.0  7.4    44
    2   100.0% LIQUID                 CHANNEL CATFISH                                 1.20                      20.0  7.4    44
    3   100.0% LIQUID                 BLUEGILL                                        0.80                      12.0  7.5   314
    4   100.0% LIQUID                 YELLOW PERCH                                    3.00                      12.0  7.5   314
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        _ TEST TYPE _          ___ 24 HOUR ___                      ___ 48 HOUR ___                    ___ 96 HOUR ___
  OBS                                  CONFIDENCE  INTERVAL                  CONFIDENCE  INTERVAL              CONFIDENCE  INTERVAL

    1   STATIC         LC        >10000       .         .                        .         .        160000   94500.000  271000.000
    2   STATIC         LC        >10000       .         .                        .         .        >10000       .           .
    3   FLOW THROUGH   LC        >10000       .         .                        .         .        >10000       .           .
    4   FLOW THROUGH   LC        >10000       .         .                        .         .        >10000       .           .
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PCB AROCLOR 1016

CAS # 12674-11-2 PRINCIPAL USE: INDUSTRIAL

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	10.0	7.2	170
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	7.4	44
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		2.50	10.0	7.4	272
4	100.0% TECHNICAL MATERIAL	RAINBOW TROUT	YOLK-SAC FRY	.	12.0	7.6	314
5	100.0% TECHNICAL MATERIAL	ATLANTIC SALMON		5.60	17.0	7.6	314
6	100.0% TECHNICAL MATERIAL	BROWN TROUT		4.60	12.0	7.6	314
7	100.0% TECHNICAL MATERIAL	BROOK TROUT		3.00	12.0	7.6	314
8	100.0% TECHNICAL MATERIAL	LAKE TROUT	SWIMUP FRY	.	10.0	7.2	170
9	100.0% TECHNICAL MATERIAL	LAKE TROUT	YOLK-SAC FRY	.	10.0	7.2	170
10	100.0% TECHNICAL MATERIAL	LONGNOSE SUCKER	FINGERLING	.	12.0	7.5	314
11	100.0% TECHNICAL MATERIAL	WHITE SUCKER		1.90	12.0	7.6	314
12	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	20.0	7.4	40
13	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	20.0	7.4	40
14	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	25.0	7.4	272
15	100.0% TECHNICAL MATERIAL	BLUEGILL		0.90	12.0	7.4	44
16	100.0% TECHNICAL MATERIAL	BLUEGILL		1.80	20.0	7.4	272
17	100.0% TECHNICAL MATERIAL	YELLOW PERCH		0.80	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	610.	424.000	878.000
2	STATIC	LC	800.	467.000	1330.000		.	.	135.	114.000	159.000
3	FLOW THROUGH	LC	>500.	.	.		.	.	615.	421.000	898.000
4	FLOW THROUGH	LC	>500.	.	.		.	.	440.	366.000	527.000
5	FLOW THROUGH	LC	>175.	.	.		.	.	134.	113.000	159.000
6	FLOW THROUGH	LC	>650.	.	.		.	.	138.	109.000	175.000
7	FLOW THROUGH	LC	>800.	.	.		.	.	>800.	.	.
8	STATIC	LC		.	.		.	.	480.	386.000	596.000
9	STATIC	LC		.	.		.	.	890.	686.000	1154.000
10	FLOW THROUGH	LC	>300.	.	.		.	.	330.	222.000	490.000
11	FLOW THROUGH	5 DAY	>800.	.	.		.	.	435.	325.000	582.000
12	STATIC	LC		.	.		.	.	>100000	.	.
13	STATIC	LC		.	.		.	.	>100000	.	.
14	STATIC	LC	830.	660.000	1050.000		.	.	440.	340.000	560.000
15	STATIC	LC	>1200.	.	.		.	.	600.	.	.
16	FLOW THROUGH	LC		.	.		.	.	460.	390.000	540.000
17	STATIC	LC	4300.	3155.000	5859.000		.	.	240.	153.000	376.000

PCB AROCLOR 1221
MEASURED IN UG /L

CAS # 11104-28-2 PRINCIPAL USE: INDUSTRIAL

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.70	9.0	7.4	162

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	4200.	3600.000	4900.000		.	.	1170.	957.000	1430.000

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                                                                          PCB AROCLOR 1232
     CAS # 11141-16-5    PRINCIPAL USE:  INDUSTRIAL                                   MEASURED IN UG /L

                      CHEMICAL                                                                            DEG.   HARDNESS
  OBS                DESCRIPTION                SPECIES          SIZE       WEIGHT                       CENT.  PH   MG/L

    1  100.0% TECHNICAL MATERIAL         CUTTHROAT TROUT                     2.20                         9.0  7.4   162
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       __ TEST TYPE __         ___ 24 HOUR ___                       ___ 48 HOUR ___                       ___ 96 HOUR ___
  OBS                                  CONFIDENCE  INTERVAL                 CONFIDENCE  INTERVAL                 CONFIDENCE  INTERVAL

    1  STATIC         LC       8230.     6660.000   10200.000                    .           .         2500.     1720.000    3080.000
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PCB AROCLOR 1242

CAS # 53469-21-9   PRINCIPAL USE: INDUSTRIAL   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	15.0	7.4	272
2	100.0% TECHNICAL MATERIAL	ORCONECTES NAIS	EARLY INSTAR	.	21.0	7.1	44
3	100.0% TECHNICAL MATERIAL	ISCHNURA VERTICALIS	LATE INSTAR	.	15.0	7.4	272
4	100.0% TECHNICAL MATERIAL	MACROMIA SP.	LATE INSTAR	.	21.0	7.1	44
5	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.40	9.0	7.4	162
6	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.80	17.0	7.4	272
7	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		2.80	17.0	7.4	272
8	100.0% TECHNICAL MATERIAL	BLUEGILL		2.20	17.0	7.4	272
9	100.0% TECHNICAL MATERIAL	YELLOW PERCH		1.20	17.0	7.6	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	FLOW THROUGH	LC		.	.		.	.	10.	.	.
2	STATIC	7 DAY		.	.		.	.	30.	.	.
3	FLOW THROUGH	LC		.	.		.	.	400.	.	.
4	STATIC	7 DAY		.	.		.	.	800.	.	.
5	STATIC	LC	>21000	.	.		.	.	5420.	3820.000	7680.000
6	FLOW THROUGH	5 DAY		.	.		.	.	67.	.	.
7	FLOW THROUGH	LC	>100.	.	.		.	.	>100.	.	.
8	FLOW THROUGH	5 DAY		.	.		.	.	125.	.	.
9	FLOW THROUGH	LC	>150.	.	.		.	.	>150.	.	.

PCB AROCLOR 1248

CAS # 12672-29-6 PRINCIPAL USE: INDUSTRIAL

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
2	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.50	9.0	7.4	162
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.80	17.0	7.4	272
4	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		2.80	22.0	7.4	272
5	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.1	44
6	100.0% TECHNICAL MATERIAL	BLUEGILL		2.20	22.0	7.4	272
7	100.0% TECHNICAL MATERIAL	YELLOW PERCH		1.10	17.0	7.6	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	52.	.	.
2	STATIC	LC	>87.	.	.		.	.	5750.	5100.000	6480.000
3	FLOW THROUGH	5 DAY		.	.		.	.	54.	.	.
4	FLOW THROUGH	LC	>100.	.	.		.	.	>100.	.	.
5	STATIC	LC	>10000	.	.		.	.	690.	480.000	990.000
6	FLOW THROUGH	5 DAY		.	.		.	.	136.	.	.
7	FLOW THROUGH	LC	>100.	.	.		.	.	>100.	.	.

PCB AROCLOR 1254

CAS # 11097-69-1   PRINCIPAL USE: INDUSTRIAL   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
2	100.0% TECHNICAL MATERIAL	ORCONECTES NAIS	EARLY INSTAR	.	21.0	7.1	44
3	100.0% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	12.0	7.5	44
4	100.0% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	15.0	7.4	272
5	100.0% TECHNICAL MATERIAL	ISCHNURA VERTICALIS	LATE INSTAR	.	15.0	7.4	272
6	100.0% TECHNICAL MATERIAL	MACROMIA SP.	LATE INSTAR	.	21.0	7.1	44
7	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.50	9.0	7.4	162
8	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.80	17.0	7.4	272
9	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		2.80	22.0	7.4	272
10	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.1	44
11	100.0% TECHNICAL MATERIAL	BLUEGILL		2.20	22.0	7.4	272
12	100.0% TECHNICAL MATERIAL	YELLOW PERCH		1.00	17.0	7.6	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	2400.	.	.
2	STATIC	7 DAY		.	.		.	.	100.	.	.
3	STATIC	LC	>550.	.	.		.	.	>550.	.	.
4	FLOW THROUGH	7 DAY		.	.		.	.	3.	.	.
5	FLOW THROUGH	LC		.	.		.	.	200.	.	.
6	STATIC	7 DAY		.	.		.	.	800.	.	.
7	STATIC	LC	44900.	40700.000	49600.000		.	.	42500.	38700.000	46700.000
8	FLOW THROUGH	5 DAY		.	.		.	.	142.	.	.
9	FLOW THROUGH	LC	>200.	.	.		.	.	>200.	.	.
10	STATIC	LC	>16000	.	.		.	.	2740.	1294.000	5810.000
11	FLOW THROUGH	LC	>200.	.	.		.	.	>200.	.	.
12	FLOW THROUGH	LC	>150.	.	.		.	.	>150.	.	.

CAS # 11096-82-5   PRINCIPAL USE: INDUSTRIAL

PCB AROCLOR 1260
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.70	9.0	7.4	162
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.80	17.0	7.4	272
3	100.0% TECHNICAL MATERIAL	BROWN TROUT		1.10	13.0	7.4	44
4	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		2.80	22.0	7.4	272
5	100.0% TECHNICAL MATERIAL	BLUEGILL		2.20	22.0	7.4	272
6	100.0% TECHNICAL MATERIAL	YELLOW PERCH		1.20	17.0	7.6	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	61800.	60000.000	67700.000		.	.	60900.	55400.000	67000.000
2	FLOW THROUGH	LC	>200.	.	.		.	.	>232.	.	.
3	STATIC	LC	>24000	.	.		.	.	>24000	.	.
4	FLOW THROUGH	LC	>400.	.	.		.	.	>400.	.	.
5	FLOW THROUGH	LC	>400.	.	.		.	.	>400.	.	.
6	FLOW THROUGH	LC	>200.	.	.		.	.	>200.	.	.

PCB AROCLOR 1262

CAS # 37324-23-5   PRINCIPAL USE: INDUSTRIAL

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.40	9.0	7.4	162

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>50000	.	.		.	.	>50000	.	.

PCB AROCLOR 1268
MEASURED IN UG /L

CAS # 11100-14-4 PRINCIPAL USE: INDUSTRIAL

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.20	9.0	7.4	162

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OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>50000	.	.		.	.	>50000	.	.

PCB AROCLOR 4465

CAS # 11120-29-9 PRINCIPAL USE: INDUSTRIAL

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.70	9.0	7.4	162

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>65000	.	.		.	.	>65000	.	.

PCB AROCLOR 5442

CAS # 12642-23-8 PRINCIPAL USE: INDUSTRIAL

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.10	9.0	7.4	162

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>50000	.	.		.	.	>50000	.	.

PCB AROCLOR 5460

CAS # 11126-42-4 PRINCIPAL USE: INDUSTRIAL

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	10 0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.90	9.0	7.4	162

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>50000	.	.		.	.	>50000	.	.

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                                                                                   PCB 2-CHLOROBIPHENYL
    CAS # 2051-60-7      PRINCIPAL USE:  PCB ISOMER                                          MEASURED IN UG /L
                    CHEMICAL                                                                                            DEG.  HARDNESS
OBS              DESCRIPTION                   SPECIES              SIZE         WEIGHT                                CENT. PH  MG/L
  1  100.0% TECHNICAL MATERIAL         RAINBOW TROUT                              0.70                                 12.0  7.1    44




      __ TEST TYPE __           ___ 24 HOUR ___                     ___ 48 HOUR ___                      ___ 96 HOUR ___
OBS                                      CONFIDENCE INTERVAL                 CONFIDENCE INTERVAL                  CONFIDENCE INTERVAL
  1  STATIC         LC          1040.     648.000    1680.000                     .           .           794.     340.000     1850.000
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                                                                                         PCB 3-CHLOROBIPHENYL
        CAS #              PRINCIPAL USE:  PCB ISOMER                                              MEASURED IN UG /L

                              CHEMICAL                                                                                                  DEG.  HARDNESS
     OBS                     DESCRIPTION                          SPECIES                 SIZE          WEIGHT                          CENT.  PH   MG/L

       1  100.0% TECHNICAL MATERIAL          RAINBOW TROUT                                          0.70                          12.0   7.1      44





     OBS      _ TEST TYPE _              ___ 24 HOUR ___                            ___ 48 HOUR ___                            ___ 96 HOUR ___
                                                   CONFIDENCE  INTERVAL                        CONFIDENCE  INTERVAL                        CONFIDENCE  INTERVAL

       1  STATIC           LC              1930.       1250.000     2970.000                         .               .              883.       516.000     1520.000
```

CAS # 2051-62-9 PRINCIPAL USE: PCB ISOMER

PCB 4-CHLOROBIPHENYL
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	2010.	1330.000	3040.000		.	.	720.	305.000	1700.000

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                                                                                PCB 2,4-DICHLOROBIPHENYL
  CAS #                PRINCIPAL USE:  PCB ISOMER                                        MEASURED IN UG /L

                      CHEMICAL                                                                                   DEG.  HARDNESS
OBS                  DESCRIPTION                    SPECIES              SIZE        WEIGHT                      CENT. PH  MG/L

  1  100.0% TECHNICAL MATERIAL        GAMMARUS PSEUDOLIMNAEUS   MATURE            .                          21.0  7.1    44




     __ TEST TYPE __           ___ 24 HOUR ___                    ___ 48 HOUR ___                   ___ 96 HOUR ___
OBS                                    CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL

  1  STATIC       LC            150.      100.000     200.000                   .           .         120.       80.000      180.000
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                                                                          PCB 4,4'-DICHLOROBIPHENYL
     CAS #              PRINCIPAL USE:  PCB ISOMER                                 MEASURED IN UG /L

                     CHEMICAL                                                                             DEG.  HARDNESS
OBS                 DESCRIPTION                   SPECIES             SIZE        WEIGHT                  CENT. PH  MG/L

  1  100.0% TECHNICAL MATERIAL       GAMMARUS PSEUDOLIMNAEUS  MATURE          .                           21.0  7.1    44




      _ TEST TYPE _         __ 24 HOUR __                  __ 48 HOUR __                  __ 96 HOUR __
OBS                                CONFIDENCE  INTERVAL          CONFIDENCE  INTERVAL          CONFIDENCE  INTERVAL

  1  STATIC      LC         160.    110.000     230.000                  .          .     100.     60.000     150.000
```

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                                                                         PCB 2,2',4,4',6,6'-HEXACHLOROBIPHENYL
     CAS #            PRINCIPAL USE:  PCB ISOMER                                  MEASURED IN UG /L

                 CHEMICAL                                                                                  DEG.  HARDNESS
 OBS            DESCRIPTION                 SPECIES            SIZE       WEIGHT                           CENT. PH  MG/L

   1  100.0% TECHNICAL MATERIAL       GAMMARUS PSEUDOLIMNAEUS   MATURE        .                             21.0  7.1    44




 OBS    __ TEST TYPE __         ___ 24 HOUR ___                 ___ 48 HOUR ___                 ___ 96 HOUR ___
                                     CONFIDENCE  INTERVAL            CONFIDENCE  INTERVAL            CONFIDENCE  INTERVAL

   1  STATIC        LC          200.    160.000     260.000              .           .          150.     90.000     210.000
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                                                                                 PCB 2,2',4,5,5'-PENTACHLOROBIPHENYL
    CAS #               PRINCIPAL USE:  PCB ISOMER                                         MEASURED IN UG /L

                   CHEMICAL                                                                                          DEG.  HARDNESS
OBS             DESCRIPTION                   SPECIES              SIZE        WEIGHT                              CENT.  PH  MG/L

   1 100.0% TECHNICAL MATERIAL        GAMMARUS PSEUDOLIMNAEUS   MATURE            .                                21.0   7.1    44
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```
      __ TEST TYPE __          ___ 24 HOUR ___                     ___ 48 HOUR ___                     ___ 96 HOUR ___
OBS                                     CONFIDENCE INTERVAL                 CONFIDENCE INTERVAL                CONFIDENCE INTERVAL

   1 STATIC        LC          430.     380.000     500.000                    .           .          210.     120.000      360.000
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                                                                              PCB 2,3,4'-TRICHLOROBIPHENYL
     CAS #               PRINCIPAL USE:  PCB ISOMER                                  MEASURED IN UG /L

                      CHEMICAL                                                                                    DEG.  HARDNESS
   OBS               DESCRIPTION                      SPECIES               SIZE         WEIGHT                   CENT. PH  MG/L

     1  100.0% TECHNICAL MATERIAL         GAMMARUS PSEUDOLIMNAEUS   MATURE             .                      21.0  7.1    44



   OBS    __ TEST TYPE __          ___ 24 HOUR ___                    ___ 48 HOUR ___                    ___ 96 HOUR ___
                                          CONFIDENCE INTERVAL                CONFIDENCE INTERVAL                CONFIDENCE INTERVAL

     1  STATIC        LC           100.      80.000     140.000                       .          .           70.      50.000     120.000
```

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PEBULATE

CAS # 1114-71-2 PRINCIPAL USE: HERBICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.60% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	20500.	14700.000	28600.000		.	.	10000.	7440.000	13400.000

CAS # 87-86-5 PRINCIPAL USE: HERBICIDE

PENTACHLOROPHENOL
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	96.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	40
2	86.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	40
3	96.00% TECHNICAL MATERIAL	CHINOOK SALMON		0.30	10.0	7.4	44
4	96.00% TECHNICAL MATERIAL	CHINOOK SALMON		0.45	10.0	7.4	44
5	96.00% TECHNICAL MATERIAL	CHINOOK SALMON		1.00	10.0	7.4	44
6	96.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.30	12.0	7.4	44
7	96.00% TECHNICAL MATERIAL	RAINBOW TROUT	YOLK-SAC FRY	.	10.0	7.4	44
8	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		2.20	10.0	7.4	44
9	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	6.0	7.4	44
10	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	11.0	7.4	44
11	96.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.10	20.0	7.4	272
12	96.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	20.0	7.4	44
13	96.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	20.0	7.4	44
14	96.00% TECHNICAL MATERIAL	BLUEGILL		0.40	15.0	7.4	44
15	96.00% TECHNICAL MATERIAL	BLUEGILL		1.30	15.0	7.4	272

OBS	__ TEST TYPE __		___ 24 HOUR ___	CONFIDENCE	INTERVAL	___ 48 HOUR ___	CONFIDENCE	INTERVAL	___ 96 HOUR ___	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	240.	138.000	307.000		.	.
2	STATIC	EC		.	.	410.	319.000	527.000		.	.
3	STATIC	LC	65.	47.000	91.000		.	.	31.	22.000	43.000
4	STATIC	LC	68.	49.000	95.000	67.	48.000	94.000		.	.
5	STATIC	LC	68.	48.000	95.000		.	.	68.	48.000	95.000
6	STATIC	LC		.	.		.	.		10.000	100.000
7	STATIC	LC		.	.		.	.	121.	114.000	128.000
8	STATIC	LC	140.	123.000	159.000		.	.	115.	108.000	122.000
9	STATIC	LC	52.	44.000	61.000		.	.	34.	31.000	38.000
10	STATIC	LC	55.	51.000	60.000		.	.	52.	48.000	56.000
11	FLOW THROUGH	LC	230.	193.000	274.000		.	.	205.	180.000	234.000
12	STATIC	LC	72.	56.000	93.000		.	.	66.	50.000	87.000
13	STATIC	LC	68.	58.000	80.000		.	.	68.	58.000	80.000
14	STATIC	LC	65.	46.000	91.000		.	.	32.	23.000	44.000
15	FLOW THROUGH	LC	340.	273.000	424.000		.	.	215.	192.000	240.000

CAS #   PRINCIPAL USE: HERBICIDE

PENTACHLOROPHENOL COPPER SALT
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	2.00 % LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.3	43
2	42.00% LIQUID CONCENTRATE	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.3	43
3	2.00 % LIQUID	CHIRONOMUS PLUMOSUS	1ST INSTAR	.	22.0	7.3	43
4	42.00% LIQUID CONCENTRATE	CHIRONOMUS PLUMOSUS	1ST INSTAR	.	22.0	7.3	43
5	2.00 % LIQUID	CHANNEL CATFISH		0.30	22.0	7.8	40
6	42.00% LIQUID CONCENTRATE	CHANNEL CATFISH		0.30	22.0	7.8	40

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.92	0.650	1.300		.	.
2	STATIC	EC		.	.	0.32	0.230	0.430		.	.
3	STATIC	EC		.	.	^.72	0.450	1.140		.	.
4	STATIC	EC		.	.	0.84	0.560	1.270		.	.
5	STATIC	LC		.	.		.	.	0.026	0.021	0.032
6	STATIC	LC		.	.		.	.	0.032	0.027	0.037

CAS # 87-86-5 PRINCIPAL USE: ANTIMICROBIAL AGENT

PENTACHLOROPHENOL (DOWICIDE EC-7)
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	88.00% COMMERCIAL FORMULATION	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	44
2	88.00% COMMERCIAL FORMULATION	CUTTHROAT TROUT		1.30	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	320.	273.000	375.000		.	.
2	STATIC	LC		.	.		.	.		10.000	100.000

CAS # 131-52-2 PRINCIPAL USE: HERBICIDE

PENTACHLOROPHENOL SODIUM SALT
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% LIQUID	CHINOOK SALMON		9.00	10.0	7.4	272
2	90.00% LIQUID	CHINOOK SALMON		0.30	10.0	7.4	272
3	90.00% LIQUID	CHINOOK SALMON	FINGERLING	1.00	10.0	7.4	44
4	90.00% LIQUID	CHINOOK SALMON	SWIMUP FRY	0.50	10.0	7.4	44
5	90.00% LIQUID	CHINOOK SALMON	SWIMUP FRY	0.50	10.0	7.4	272
6	90.00% LIQUID	CHINOOK SALMON	YOLK-SAC FRY	0.30	10.0	7.4	44
7	90.00% LIQUID	CUTTHROAT TROUT		1.30	12.0	7.4	44
8	90.00% LIQUID	RAINBOW TROUT		1.00	6.0	7.4	44
9	90.00% LIQUID	RAINBOW TROUT		1.00	12.0	7.4	44
10	90.00% LIQUID	RAINBOW TROUT		1.90	10.0	7.4	272
11	90.00% LIQUID	RAINBOW TROUT	EYED EGG	.	10.0	7.4	272
12	90.00% LIQUID	RAINBOW TROUT	SWIMUP FRY	.	10.0	7.4	272
13	90.00% LIQUID	RAINBOW TROUT	YOLK-SAC FRY	.	10.0	7.4	272
14	90.00% LIQUID	FATHEAD MINNOW		1.10	20.0	7.4	272
15	90.00% LIQUID	CHANNEL CATFISH		0.80	20.0	7.4	44
16	90.00% LIQUID	CHANNEL CATFISH	YOLK-SAC FRY	.	20.0	7.4	272
17	90.00% LIQUID	BLUEGILL		0.40	15.0	7.4	44
18	90.00% LIQUID	BLUEGILL		1.70	20.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	FLOW THROUGH	LC	225.0	174.000	291.000		.	.	170.	150.000	192.000
2	FLOW THROUGH	LC	>250.	.	.		.	.	165.	149.000	182.000
3	STATIC	LC	67.5	47.900	95.100		.	.	67.5	47.900	95.100
4	STATIC	LC	73.	55.200	96.600		.	.		.	.
5	FLOW THROUGH	LC	>250.	.	.		.	.	>250.	.	.
6	STATIC	LC	>100.	.	.		.	.	30.5	21.700	43.000
7	STATIC	LC		.	.		.	.		10.000	100.000
8	STATIC	LC	62.	54.000	70.000		.	.	58.	51.000	65.000
9	STATIC	LC	55.	46.700	64.400		.	.	55.	46.700	64.400
10	FLOW THROUGH	LC	173.	158.000	187.000		.	.	128.	105.000	156.000
11	FLOW THROUGH	LC	>300.	.	.		.	.	>300.	.	.
12	FLOW THROUGH	LC	310.	213.000	450.000		.	.	165.	152.000	179.000
13	FLOW THROUGH	LC	280.	239.000	327.000		.	.	160.	146.000	174.000
14	FLOW THROUGH	LC	370.	317.000	432.000		.	.	270.	212.000	344.000
15	STATIC	LC	77.	60.800	97.600		.	.	77.	60.800	97.600
16	FLOW THROUGH	LC	249.	225.000	275.000		.	.	200.	187.000	214.000
17	STATIC	LC	70.	48.700	101.000		.	.	44.	25.000	77.600
18	FLOW THROUGH	LC	540.	459.000	635.000		.	.	390.	366.000	415.000

PERMETHRIN

CAS # 52645-53-1 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	91.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.4	42
2	91.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.4	42
3	91.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	42
4	91.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.2	44
5	38.50% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.60	12.0	7.1	40
6	91.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	7.0	7.0	40
7	91.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.0	40
8	91.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	17.0	7.0	40
9	91.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	6.5	40
10	91.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.5	40
11	91.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	8.5	40
12	91.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	8.1	40
13	91.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	8.1	320
14	92.50% TECHNICAL MATERIAL	BROOK TROUT		1.20	12.0	7.5	40
15	57.00% EMULSIFIABLE CONCENTRATE	BROOK TROUT		1.20	12.0	7.5	40
16	13.30% EMULSIFIABLE CONCENTRATE	BROOK TROUT		1.20	12.0	7.5	40
17	91.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.60	22.0	7.3	38
18	38.50% EMULSIFIABLE CONCENTRATE	FATHEAD MINNOW		0.60	22.0	7.3	38
19	91.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	22.0	7.1	40
20	91.00% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	7.3	38
21	38.50% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.70	22.0	7.3	38
22	91.00% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	7.4	39
23	91.00% TECHNICAL MATERIAL	BLUEGILL		0.50	17.0	7.4	39
24	91.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	7.4	39

OBS	__ TEST TYPE __		___ 24 HOUR ___	CONFIDENCE INTERVAL		___ 48 HOUR ___	CONFIDENCE INTERVAL		___ 96 HOUR ___	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	1.26	0.630	2.490		.	.
2	STATIC	LC		.	.		.	.	0.17	0.110	0.270
3	STATIC	EC		.	.	0.56	0.180	1.650		.	.
4	STATIC	LC	4.4	3.400	5.700		.	.	4.1	3.200	5.200
5	STATIC	LC	4.3	3.500	5.200		.	.		.	.
6	STATIC	LC		.	.		.	.	2.9	2.000	4.200
7	STATIC	LC	7.0	5.600	8.700		.	.	4.1	3.200	5.300
8	STATIC	LC	6.0	4.900	7.400		.	.	6.0	4.900	7.400
9	STATIC	LC	6.9	5.600	8.600		.	.	6.3	5.200	7.600
10	STATIC	LC	9.2	6.800	12.400		.	.	7.0	5.500	8.900
11	STATIC	LC		.	.		.	.	8.2	6.300	10.700
12	STATIC	LC	5.7	3.700	7.100		.	.	4.2	3.500	5.000
13	STATIC	LC	5.6	4.000	7.800		.	.	5.2	3.800	7.100
14	STATIC	LC		.	.		.	.	3.2	2.200	4.800
15	STATIC	LC		.	.		.	.	5.2	3.500	7.900
16	STATIC	LC	4.0	2.700	5.900		.	.	2.3	1.400	3.700
17	STATIC	LC		.	.		.	.	5.7	4.100	7.900
18	STATIC	LC	6.6	5.100	8.500		.	.	5.7	4.100	7.900
19	STATIC	LC	7.2	5.700	9.000		.	.	7.2	5.700	9.000
20	STATIC	LC		.	.		.	.	5.0	3.100	7.900
21	STATIC	LC	8.6	6.300	11.800		.	.	6.8	5.300	8.700
22	STATIC	LC	14.0	10.500	18.700		.	.	4.5	3.600	5.600
23	STATIC	LC	8.8	6.200	12.500		.	.	8.0	6.000	10.800
24	STATIC	LC	7.6	6.000	9.700		.	.	7.1	5.500	9.200

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                                                                    PERMETHRIN
                                                                            MEASURED IN UG /L

                         CHEMICAL                                                                                          DEG.  HARDNESS
 OBS                   DESCRIPTION                   SPECIES              SIZE         WEIGHT                              CENT.  PH   MG/L

  25   91.00% TECHNICAL MATERIAL          BLUEGILL                                      0.70                               22.0  6.5     44
  26   91.00% TECHNICAL MATERIAL          BLUEGILL                                      0.70                               22.0  7.5     44
  27   91.00% TECHNICAL MATERIAL          BLUEGILL                                      0.70                               22.0  8.5     44
  28   91.00% TECHNICAL MATERIAL          BLUEGILL                                      0.70                               22.0  8.0     40
  29   91.00% TECHNICAL MATERIAL          BLUEGILL                                      0.70                               22.0  8.0    320





        __ TEST TYPE __               ___ 24 HOUR ___                   ___ 48 HOUR ___                   ___ 96 HOUR ___
 OBS                                          CONFIDENCE  INTERVAL                CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL

  25   STATIC          LC              7.0      5.300       9.200                     .          .       5.6       4.100       7.700
  26   STATIC          LC                         .           .                       .          .       7.6       5.700      10.200
  27   STATIC          LC              7.6      6.000       9.700                     .          .       7.2       5.500       9.400
  28   STATIC          LC             13.0     10.000      16.900                     .          .      13.0      10.000      16.900
  29   STATIC          LC              6.6      5.000       8.800                     .          .       6.2       4.400       8.800
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PHORATE

CAS # 298-02-2 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	44
2	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
3	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.4	44
4	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	12.0	7.4	272
5	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	12.0	7.4	44
6	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.4	44
7	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	272
8	100.0% TECHNICAL MATERIAL	NORTHERN PIKE		0.70	15.0	7.4	272
9	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.00	15.0	7.4	44
10	100.0% TECHNICAL MATERIAL	BLUEGILL		4.00	15.0	7.4	44
11	100.0% TECHNICAL MATERIAL	BLUEGILL		1.60	15.0	7.4	44
12	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	15.0	7.4	44
13	100.0% TECHNICAL MATERIAL	BLUEGILL		0.60	15.0	7.4	44
14	100.0% TECHNICAL MATERIAL	BLUEGILL		0.30	15.0	7.4	44
15	100.0% TECHNICAL MATERIAL	BLUEGILL		1.20	15.0	7.4	44
16	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	15.0	7.4	272
17	100.0% TECHNICAL MATERIAL	WALLEYE		1.40	15.0	7.4	272
18	100.0% TECHNICAL MATERIAL	WALLEYE		1.20	15.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	24.	16.000	37.000		.	.	4.	2.000	7.000
2	STATIC	LC	4.	3.000	6.000		.	.	0.6	0.400	0.800
3	STATIC	LC	9.	7.000	12.000	4.	2.000	6.000		.	.
4	STATIC	LC	120.	110.000	140.000		.	.	66.	61.000	71.000
5	STATIC	LC	100.	88.000	110.000		.	.	44.	.	.
6	STATIC	LC	25.	19.000	33.000		.	.	13.	11.000	16.000
7	STATIC	LC	47.	40.000	55.000		.	.	21.	16.000	27.000
8	STATIC	LC	200.	130.000	310.000		.	.	110.	90.000	130.000
9	STATIC	LC	500.	245.000	1020.000		.	.	280.	115.000	680.000
10	STATIC	LC	7.0	5.600	8.800		.	.	4.0	3.500	4.300
11	STATIC	LC	8.	6.000	10.000		.	.	2.3	2.000	2.600
12	STATIC	LC	7.6	6.000	9.600		.	.	2.0	1.500	2.500
13	STATIC	LC	9.0	7.300	11.000		.	.	2.4	2.100	2.700
14	STATIC	LC	10.0	7.400	13.500		.	.	1.0	0.600	1.800
15	STATIC	LC	10.5	9.000	12.000		.	.	3.8	3.100	4.600
16	STATIC	LC	11.5	10.000	13.000		.	.	5.0	4.700	5.400
17	STATIC	LC	620.	500.000	770.000		.	.	340.	270.000	430.000
18	STATIC	LC	210.	160.000	280.000		.	.	57.	42.000	77.000

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                                                                          PHORAZETIM
   CAS # 4104-14-7     PRINCIPAL USE:  RODENTICIDE                                     MEASURED IN UG /L

                  CHEMICAL                                                                                   DEG.  HARDNESS
 OBS             DESCRIPTION                  SPECIES              SIZE        WEIGHT                        CENT.  PH  MG/L

   1  100.0% TECHNICAL MATERIAL        RAINBOW TROUT                            1.40                         13.0  7.1    44




        _ TEST TYPE _           __ 24 HOUR __                   __ 48 HOUR __                   __ 96 HOUR __
 OBS                                  CONFIDENCE INTERVAL              CONFIDENCE INTERVAL             CONFIDENCE INTERVAL

   1  STATIC        LC          610.     533.000    698.000                  .         .        440.    391.000     496.000
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PHOSALONE

CAS # 2310-17-0 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	25.00% WETTABLE POWDER	RAINBOW TROUT		1.10	12.0	7.5	44
2	25.00% WETTABLE POWDER	FATHEAD MINNOW		0.50	18.0	7.5	44
3	25.00% WETTABLE POWDER	BLUEGILL		0.80	18.0	7.5	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	710.	570.000	880.000		.	.	150.	70.000	330.000
2	STATIC	LC	2400.	1490.000	3860.000		.	.	320.	190.000	540.000
3	STATIC	LC	350.	240.000	500.000		.	.	100.	70.000	140.000

PHOS-CHEK 202

CAS #   PRINCIPAL USE: FIRE RETARDANT   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	89.00% COMMERCIAL FORMULATION	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	18.0	7.4	44
2	89.00% COMMERCIAL FORMULATION	COHO SALMON		1.00	11.0	7.4	44
3	89.00% COMMERCIAL FORMULATION	COHO SALMON		1.00	6.0	7.4	44
4	89.00% COMMERCIAL FORMULATION	COHO SALMON	SWIMUP FRY	.	11.0	7.4	44
5	89.00% COMMERCIAL FORMULATION	COHO SALMON	YOLK-SAC FRY	.	11.0	7.4	44
6	89.00% COMMERCIAL FORMULATION	RAINBOW TROUT		0.80	11.0	7.4	44
7	89.00% COMMERCIAL FORMULATION	RAINBOW TROUT		0.80	6.0	7.4	44
8	89.00% COMMERCIAL FORMULATION	RAINBOW TROUT	SWIMUP FRY	.	11.0	7.4	44
9	89.00% COMMERCIAL FORMULATION	RAINBOW TROUT	YOLK-SAC FRY	.	11.0	7.4	44
10	89.00% COMMERCIAL FORMULATION	FATHEAD MINNOW		0.70	21.0	7.4	44
11	89.00% COMMERCIAL FORMULATION	BLUEGILL		1.00	21.0	7.4	44
12	89.00% COMMERCIAL FORMULATION	LARGEMOUTH BASS		0.50	21.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>100.	.	.		.	.	52.	48.000	68.000
2	STATIC	LC	320.	279.000	367.000		.	.	320.	279.000	367.000
3	STATIC	LC	450.	420.000	481.000		.	.	300.	267.000	336.000
4	STATIC	LC	210.	190.000	232.000		.	.	200.	170.000	235.000
5	STATIC	LC	175.	161.000	190.000		.	.	145.	136.000	154.000
6	STATIC	LC	230.	204.000	259.000		.	.	230.	204.000	259.000
7	STATIC	LC	300.	255.000	352.000		.	.	230.	203.000	260.000
8	STATIC	LC	125.	105.000	149.000		.	.	110.	95.000	126.000
9	STATIC	LC	140.	132.000	149.000		.	.	105.	90.000	121.000
10	STATIC	LC	820.	.	.		.	.	650.	497.000	851.000
11	STATIC	LC	840.	753.000	937.000		.	.	840.	753.000	937.000
12	STATIC	LC	840.	753.000	937.000		.	.	840.	753.000	937.000

PHOS-CHEK 259

CAS #   PRINCIPAL USE: FIRE RETARDANT   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	92.00% COMMERCIAL FORMULATION	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	18.0	7.4	272
2	92.00% COMMERCIAL FORMULATION	COHO SALMON		1.00	11.0	7.4	44
3	92.00% COMMERCIAL FORMULATION	COHO SALMON		1.00	6.0	7.4	44
4	92.00% COMMERCIAL FORMULATION	COHO SALMON	SWIMUP FRY	.	11.0	7.4	44
5	92.00% COMMERCIAL FORMULATION	COHO SALMON	YOLK-SAC FRY	.	11.0	7.4	44
6	92.00% COMMERCIAL FORMULATION	RAINBOW TROUT		0.80	11.0	7.4	44
7	92.00% COMMERCIAL FORMULATION	RAINBOW TROUT		0.80	6.0	7.4	44
8	92.00% COMMERCIAL FORMULATION	RAINBOW TROUT	SWIMUP FRY	.	11.0	7.4	44
9	92.00% COMMERCIAL FORMULATION	RAINBOW TROUT	YOLK-SAC FRY	.	11.0	7.4	44
10	92.00% COMMERCIAL FORMULATION	FATHEAD MINNOW		0.70	21.0	7.4	44
11	92.00% COMMERCIAL FORMULATION	BLUEGILL		1.00	21.0	7.4	44
12	92.00% COMMERCIAL FORMULATION	LARGEMOUTH BASS		0.50	21.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	40.	32.000	46.000
2	STATIC	LC	250.	220.000	283.000		.	.	250.	220.000	283.000
3	STATIC	LC	245.	216.000	277.000		.	.	245.	216.000	277.000
4	STATIC	LC	175.	154.000	199.000		.	.	170.	151.000	191.000
5	STATIC	LC	>200.	.	.		.	.	145.	133.000	158.000
6	STATIC	LC	175.	155.000	198.000		.	.	160.	150.000	171.000
7	STATIC	LC	170.	150.000	193.000		.	.	165.	158.000	173.000
8	STATIC	LC	102.	89.000	116.000		.	.	94.	77.000	115.000
9	STATIC	LC	>200.	.	.		.	.	115.	104.000	128.000
10	STATIC	LC	470.	418.000	529.000		.	.	300.	265.000	340.000
11	STATIC	LC	600.	541.000	665.000		.	.	350.	300.000	404.000
12	STATIC	LC	720.	654.000	792.000		.	.	450.	402.000	504.000

PHOSFLEX 31P

CAS #   PRINCIPAL USE: HYDRAULIC FLUID   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.5	40
2	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.4	40
3	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.0	40
4	100.0% LIQUID	RAINBOW TROUT		1.00	12.0	7.4	40
5	100.0% LIQUID	RAINBOW TROUT		1.20	7.0	7.4	40
6	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	7.4	40
7	100.0% LIQUID	RAINBOW TROUT		1.20	17.0	7.4	40
8	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	6.5	40
9	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	7.5	40
10	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	8.5	40
11	100.0% LIQUID	RAINBOW TROUT		0.80	12.0	8.4	40
12	100.0% LIQUID	RAINBOW TROUT		0.80	12.0	8.5	300
13	100.0% LIQUID	FATHEAD MINNOW		0.67	22.0	7.4	40
14	100.0% LIQUID	CHANNEL CATFISH		0.22	22.0	7.5	38
15	100.0% LIQUID	BLUEGILL		1.00	22.0	7.4	40
16	100.0% LIQUID	BLUEGILL		0.70	22.0	6.5	40
17	100.0% LIQUID	BLUEGILL		0.70	22.0	7.5	40
18	100.0% LIQUID	BLUEGILL		0.70	22.0	8.5	40
19	100.0% LIQUID	BLUEGILL		1.00	22.0	7.4	40
20	100.0% LIQUID	BLUEGILL		1.00	22.0	7.4	320
21	100.0% LIQUID	BLUEGILL		0.50	12.0	7.2	42
22	100.0% LIQUID	BLUEGILL		0.50	17.0	7.2	42
23	100.0% LIQUID	BLUEGILL		0.50	22.0	7.2	42

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	6.8	4.400	10.500		.	.
2	STATIC	LC		.	.		.	.	2.2	1.420	3.390
3	STATIC	EC		.	.	1.8	1.500	2.100		.	.
4	STATIC	LC	2.6	2.087	3.237		.	.	0.88	0.587	1.319
5	STATIC	LC	3.4	2.290	5.030		.	.	1.5	1.070	2.080
6	STATIC	LC	2.3	1.720	3.070		.	.	1.9	1.330	2.700
7	STATIC	LC	2.05	1.400	2.980		.	.	1.8	1.280	2.520
8	STATIC	LC	2.3	1.770	3.000		.	.	2.3	1.690	3.130
9	STATIC	LC	3.2	2.320	4.420		.	.	1.5	1.210	1.870
10	STATIC	LC	9.2	4.560	18.580		.	.	3.0	2.090	4.310
11	STATIC	LC	1.7	1.180	2.450		.	.	0.61	0.440	0.850
12	STATIC	LC	2.7	1.960	3.720		.	.	0.82	0.630	1.060
13	STATIC	LC		.	.		.	.	1.7	1.200	2.300
14	STATIC	LC		.	.		.	.	<.32	.	.
15	STATIC	LC	4.9	3.990	6.000		.	.	2.6	2.060	3.280
16	STATIC	LC	6.3	4.400	9.000		.	.	2.5	1.900	3.300
17	STATIC	LC	4.9	3.400	7.100		.	.	2.6	1.900	3.600
18	STATIC	LC	5.7	4.100	7.900		.	.	2.8	2.000	3.900
19	STATIC	LC	4.9	3.550	6.750		.	.	2.5	1.930	3.220
20	STATIC	LC	4.3	3.600	5.140		.	.	2.3	1.630	3.240
21	STATIC	LC		.	.		.	.	5.0	4.100	6.100
22	STATIC	LC	6.60	5.080	8.570		.	.	3.5	2.470	4.960
23	STATIC	LC	3.0	2.180	4.140		.	.	2.0	1.390	2.890

PHOSMET

CAS # 732-11-6 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.30% TECHNICAL MATERIAL	STREPTOCEPHALUS SEALI	MATURE	.	21.0	7.4	44
2	95.30% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
3	50.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	44
4	95.30% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	20.0	7.4	44
5	95.30% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	20.0	7.4	272
6	95.30% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	44
7	95.30% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
8	95.30% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	44
9	95.30% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	44
10	95.30% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	44
11	95.30% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	44
12	50.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	44
13	50.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	44
14	50.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	44
15	50.00% WETTABLE POWDER	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.4	44
16	95.30% TECHNICAL MATERIAL	CHINOOK SALMON		1.00	10.0	7.4	44
17	95.30% TECHNICAL MATERIAL	CHINOOK SALMON	SWIMUP FRY	.	10.0	7.4	44
18	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	10.0	7.4	44
19	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		0.10	10.0	7.4	272
20	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		0.40	10.0	7.2	44
21	50.00% WETTABLE POWDER	RAINBOW TROUT		0.20	10.0	7.4	44
22	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	5.0	7.5	44
23	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	10.0	7.5	44
24	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	10.0	6.5	12

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.	170.	145.000	220.000		.	.
2	STATIC	EC		.	.	5.6	4.200	8.400		.	.
3	STATIC	EC		.	.	10.9	8.700	13.700		.	.
4	STATIC	LC	150.	123.000	183.000		.	.	90.	62.000	130.000
5	FLOW THROUGH	LC	145.	112.000	188.000		.	.	72.	57.000	90.000
6	STATIC	LC	5.0	4.200	6.000		.	.	2.0	1.400	2.800
7	STATIC	LC	5.2	3.900	7.000		.	.	4.2	3.400	5.200
8	0 DAY DEGRA	LC		.	.	3150.	2370.000	4190.000		.	.
9	1 DAY DEGRA	LC		.	.	>3200	.	.		.	.
10	2 DAY DEGRA	LC		.	.	>10000	.	.		.	.
11	4 DAY DEGRA	LC		.	.	>10000	.	.		.	.
12	0 DAY DEGRA	LC		.	.	3400.	2470.000	4680.000		.	.
13	1 DAY DEGRA	LC		.	.	>3200	.	.		.	.
14	2 DAY DEGRA	LC		.	.	>10000	.	.		.	.
15	4 DAY DEGRA	LC		.	.	>10000	.	.		.	.
16	STATIC	LC	180.	128.000	254.000		.	.	150.	112.000	200.000
17	STATIC	LC	325.	227.000	465.000	285.	199.000	408.000		.	.
18	STATIC	LC	380.	289.000	499.000		.	.	300.	213.000	423.000
19	FLOW THROUGH	LC	>200.	.	.		.	.	120.	105.000	136.000
20	STATIC	LC	760.	544.000	1061.000		.	.	560.	462.000	678.000
21	STATIC	LC	750.	514.000	1094.000		.	.	500.	318.000	785.000
22	STATIC	LC	390.	322.000	472.000		.	.	240.	171.000	337.000
23	STATIC	LC	530.	364.000	770.000		.	.	480.	310.000	750.000
24	STATIC	LC	280.	187.000	420.000		.	.	105.	66.000	167.000

BEST COPY AVAILABLE

PHOSMET

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	10.0	7.5	12
26	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	10.0	8.5	12
27	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	10.0	9.0	12
28	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	10.0	9.5	12
29	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	10.0	8.5	44
30	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	10.0	9.5	44
31	95.30% TECHNICAL MATERIAL	RAINBOW TROUT	EYED EGG	.	10.0	7.4	44
32	50.00% WETTABLE POWDER	RAINBOW TROUT	EYED EGG	.	10.0	7.4	44
33	95.30% TECHNICAL MATERIAL	RAINBOW TROUT	SWIMUP FRY	.	10.0	7.4	44
34	95.30% TECHNICAL MATERIAL	RAINBOW TROUT	YOLK-SAC FRY	.	10.0	7.4	44
35	50.00% WETTABLE POWDER	RAINBOW TROUT	YOLK-SAC FRY	.	10.0	7.4	44
36	95.30% TECHNICAL MATERIAL	FATHEAD MINNOW		0.10	20.0	7.2	44
37	50.00% WETTABLE POWDER	FATHEAD MINNOW		0.10	20.0	7.2	44
38	95.30% TECHNICAL MATERIAL	CHANNEL CATFISH		0.40	20.0	7.2	44
39	50.00% WETTABLE POWDER	CHANNEL CATFISH		0.40	20.0	7.2	44
40	95.30% TECHNICAL MATERIAL	BLUEGILL		0.50	20.0	7.5	44
41	50.00% WETTABLE POWDER	BLUEGILL		0.50	20.0	7.5	44
42	95.30% TECHNICAL MATERIAL	BLUEGILL		1.90	20.0	7.4	272
43	95.30% TECHNICAL MATERIAL	BLUEGILL		0.50	10.0	7.2	44
44	95.30% TECHNICAL MATERIAL	BLUEGILL		0.50	15.0	7.2	44
45	95.30% TECHNICAL MATERIAL	BLUEGILL		0.50	20.0	7.2	44
46	95.30% TECHNICAL MATERIAL	BLUEGILL		0.50	25.0	7.2	44
47	50.00% WETTABLE POWDER	BLUEGILL		0.50	10.0	7.2	44
48	50.00% WETTABLE POWDER	BLUEGILL		0.50	15.0	7.2	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	520.	290.000	940.000		.	.	130.	70.000	230.000
26	STATIC	LC	420.	300.000	580.000		.	.	420.	300.000	580.000
27	STATIC	LC	1600.	1020.000	2510.000		.	.	1600.	1020.000	2510.000
28	STATIC	LC	4700.	.	.		.	.	4700.	4000.000	5820.000
29	STATIC	LC	>1000.	.	.		.	.	1200.	700.000	2060.000
30	STATIC	LC	3700.	2580.000	5310.000		.	.	3700.	2580.000	5310.000
31	STATIC	LC	>10000	.	.		.	.	>10000	.	.
32	STATIC	LC	>10000	.	.		.	.	>10000	.	.
33	STATIC	LC	530.	.	.		.	.	280.	200.000	391.000
34	STATIC	LC	>10000	.	.		.	.	>10000	.	.
35	STATIC	LC	>10000	.	.		.	.	>10000	.	.
36	STATIC	LC	10200.	6719.000	15484.000		.	.	7300.	4676.000	11395.000
37	STATIC	LC	15000.	10109.000	22257.000		.	.	9000.	6154.000	13162.000
38	STATIC	LC	12800.	10156.000	16133.000		.	.	10600.	8365.000	13432.000
39	STATIC	LC	13300.	10439.000	16945.000		.	.	7500.	6312.000	8912.000
40	STATIC	LC	200.	150.000	280.000		.	.	200.	150.000	270.000
41	STATIC	LC	160.	120.000	220.000		.	.	160.	120.000	220.000
42	FLOW THROUGH	LC	>80.	.	.		.	.	>80.	.	.
43	STATIC	LC	1300.	850.000	2000.000		.	.	560.	330.000	950.000
44	STATIC	LC	230.	160.000	320.000		.	.	180.	140.000	250.000
45	STATIC	LC	230.	180.000	300.000		.	.	70.	50.000	100.000
46	STATIC	LC	86.	52.000	140.000		.	.	60.	40.000	90.000
47	STATIC	LC	840.	570.000	1200.000		.	.	250.	150.000	410.000
48	STATIC	LC	380.	260.000	560.000		.	.	180.	100.000	310.000

PHOSMET

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	50.00% WETTABLE POWDER	BLUEGILL		0.50	20.0	7.2	44
50	50.00% WETTABLE POWDER	BLUEGILL		0.50	25.0	7.2	44
51	95.30% TECHNICAL MATERIAL	BLUEGILL		0.50	20.0	6.5	44
52	95.30% TECHNICAL MATERIAL	BLUEGILL		0.50	20.0	7.5	44
53	95.30% TECHNICAL MATERIAL	BLUEGILL		0.50	20.0	8.5	44
54	50.00% WETTABLE POWDER	BLUEGILL		0.50	20.0	6.5	44
55	50.00% WETTABLE POWDER	BLUEGILL		0.50	20.0	7.5	44
56	50.00% WETTABLE POWDER	BLUEGILL		0.50	20.0	8.5	44
57	95.30% TECHNICAL MATERIAL	BLUEGILL		0.20	20.0	7.4	10
58	95.30% TECHNICAL MATERIAL	BLUEGILL		0.20	20.0	7.4	58
59	95.30% TECHNICAL MATERIAL	BLUEGILL		0.20	20.0	7.4	160
60	95.30% TECHNICAL MATERIAL	BLUEGILL		0.20	20.0	7.4	300
61	50.00% WETTABLE POWDER	BLUEGILL		0.20	20.0	7.4	10
62	50.00% WETTABLE POWDER	BLUEGILL		0.20	20.0	7.4	58
63	50.00% WETTABLE POWDER	BLUEGILL		0.20	20.0	7.4	160
64	50.00% WETTABLE POWDER	BLUEGILL		0.20	20.0	7.4	300
65	95.30% TECHNICAL MATERIAL	BLUEGILL		0.10	20.0	7.2	44
66	95.30% TECHNICAL MATERIAL	BLUEGILL		0.10	20.0	7.2	44
67	95.30% TECHNICAL MATERIAL	BLUEGILL		0.10	20.0	7.2	44
68	95.30% TECHNICAL MATERIAL	BLUEGILL		0.10	20.0	7.2	44
69	50.00% WETTABLE POWDER	BLUEGILL		0.10	20.0	7.2	44
70	50.00% WETTABLE POWDER	BLUEGILL		0.10	20.0	7.2	44
71	50.00% WETTABLE POWDER	BLUEGILL		0.10	20.0	7.2	44
72	50.00% WETTABLE POWDER	BLUEGILL		0.10	20.0	7.2	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
49	STATIC	LC	190.	140.000	260.000		.	.	110.	73.000	170.000
50	STATIC	LC	100.	75.000	130.000		.	.	78.	53.000	120.000
51	STATIC	LC	100.	70.000	140.000		.	.	22.	15.000	33.000
52	STATIC	LC	200.	150.000	280.000		.	.	200.	150.000	270.000
53	STATIC	LC	640.	460.000	890.000		.	.	640.	460.000	890.000
54	STATIC	LC	96.	69.000	130.000		.	.	69.	47.000	100.000
55	STATIC	LC	160.	120.000	220.000		.	.	160.	120.000	220.000
56	STATIC	LC	590.	430.000	800.000		.	.	590.	430.000	800.000
57	STATIC	LC	1000.	640.000	1600.000		.	.	1000.	640.000	1600.000
58	STATIC	LC	800.	570.000	1100.000		.	.	800.	570.000	1100.000
59	STATIC	LC	1500.	1000.000	2200.000		.	.	1400.	920.000	2100.000
60	STATIC	LC	1200.	780.000	1800.000		.	.	1000.	640.000	1600.000
61	STATIC	LC	750.	580.000	970.000		.	.	750.	580.000	970.000
62	STATIC	LC	750.	510.000	1100.000		.	.	750.	510.000	1100.000
63	STATIC	LC	800.	540.000	1200.000		.	.	800.	540.000	1200.000
64	STATIC	LC	500.	330.000	750.000		.	.	500.	330.000	750.000
65	0 DAY DEGRA	LC	500.	380.000	650.000		.	.	420.	300.000	580.000
66	1 DAY DEGRA	LC	>3200.	.	.		.	.	3200.	2200.000	4500.000
67	2 DAY DEGRA	LC	6200.	4400.000	8700.000		.	.	5100.	4200.000	6200.000
68	4 DAY DEGRA	LC	>10000	.	.		.	.	>10000	.	.
69	0 DAY DEGRA	LC	360.	260.000	500.000		.	.	360.	260.000	500.000
70	1 DAY DEGRA	LC	3200.	2200.000	4600.000		.	.	2900.	2100.000	3900.000
71	2 DAY DEGRA	LC	>10000	.	.		.	.	>10000	.	.
72	4 DAY DEGRA	LC	>10000	.	.		.	.	>10000	.	.

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                                                                                         PHOSMET
                                                                                                   MEASURED IN UG /L

                           CHEMICAL                                                                                                        DEG.  HARDNESS
OBS                       DESCRIPTION                    SPECIES             SIZE          WEIGHT                                          CENT.  PH   MG/L

 73   95.30% TECHNICAL MATERIAL          SMALLMOUTH BASS                        0.40                                          20.0  7.4      44
 74   95.30% TECHNICAL MATERIAL          LARGEMOUTH BASS                        0.50                                          20.0  7.4      44
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      __ TEST TYPE __              ___ 24 HOUR ___                     ___ 48 HOUR ___                      ___ 96 HOUR ___
OBS                                        CONFIDENCE  INTERVAL                 CONFIDENCE  INTERVAL                 CONFIDENCE  INTERVAL

 73   STATIC         LC           395.      268.000     582.000                  .            .          150.      100.000     224.000
 74   STATIC         LC           340.      243.000     476.000                  .            .          160.      105.000     244.000
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PHOSPHAMIDON

CAS # 13171-21-6   PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	80.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.4	44
2	80.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.4	44
3	80.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.4	44
4	80.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	44
5	80.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	44
6	80.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
7	80.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.4	44
8	80.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	44
9	80.00% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	18.0	7.3	44
10	80.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	18.0	7.4	44
11	80.00% TECHNICAL MATERIAL	BLUEGILL		0.50	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	10.	6.700	15.000		.	.
2	STATIC	EC		.	.	6.6	4.900	8.900		.	.
3	STATIC	EC		.	.	12.	7.900	18.000		.	.
4	STATIC	LC	8.0	5.600	11.500		.	.	3.0	2.000	4.500
5	STATIC	LC	80.	61.000	104.000		.	.	13.	6.000	28.000
6	STATIC	LC	64.	47.000	87.000		.	.	25.	19.000	32.000
7	STATIC	LC	160.	68.500	374.000		.	.	150.	77.000	292.000
8	STATIC	LC	10500	7800.000	14000.000		.	.	7800.	6200.000	9800.000
9	STATIC	LC	140000.	126000.000	156000.000		.	.	100000.	91000.000	110000.000
10	STATIC	LC	110000.	103000.000	117000.000		.	.	70000.	67000.000	74000.000
11	STATIC	LC	20000.	14000.000	28000.000		.	.	3400.	2400.000	4900.000

PHOTO-DIELDRIN

CAS # 13366-73-9 PRINCIPAL USE: DEGRADATION PRODUCT-DIELDRIN

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.30	8.0	7.4	162
2	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.4	44
3	100.0% TECHNICAL MATERIAL	BLUEGILL		1.30	18.0	7.4	44

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OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	19.	17.000	21.000		.	.	12.	11.000	13.000
2	STATIC	LC	53.	19.000	145.000		.	.	19.	13.000	27.000
3	STATIC	LC	21.	17.000	24.000		.	.	11.	9.000	13.000

PHOXIM

CAS # 14816-18-3 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT		DEG. CENT.	PH	HARDNESS MG/L
1	89.00% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.		12.0	7.4	44
2	89.00% TECHNICAL MATERIAL	COHO SALMON		0.54		12.0	7.4	44
3	89.00% TECHNICAL MATERIAL	COHO SALMON		0.54		7.0	7.4	44
4	89.00% TECHNICAL MATERIAL	COHO SALMON		0.54		17.0	7.4	44
5	89.00% TECHNICAL MATERIAL	COHO SALMON		0.54		12.0	6.5	44
6	89.00% TECHNICAL MATERIAL	COHO SALMON		0.54		12.0	9.0	44
7	89.00% TECHNICAL MATERIAL	COHO SALMON		0.73		12.0	6.6	12
8	89.00% TECHNICAL MATERIAL	COHO SALMON		0.73		12.0	7.4	44
9	89.00% TECHNICAL MATERIAL	COHO SALMON		0.73		12.0	7.8	170
10	89.00% TECHNICAL MATERIAL	COHO SALMON		0.60		12.0	7.5	314
11	89.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.21		12.0	7.5	314
12	89.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	STEELHEAD STRAIN	12.0	7.4	44
13	89.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.50		12.0	7.4	44
14	89.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.21		7.0	7.4	44
15	89.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.50		12.0	7.5	314
16	89.00% TECHNICAL MATERIAL	BROWN TROUT		0.65		12.0	7.4	44
17	89.00% TECHNICAL MATERIAL	BROWN TROUT	YOLK-SAC FRY	.		12.0	7.5	44
18	89.00% TECHNICAL MATERIAL	BROWN TROUT	YOLK-SAC FRY	.		12.0	7.8	170
19	89.00% TECHNICAL MATERIAL	BROOK TROUT		1.50		12.0	7.4	44
20	89.00% TECHNICAL MATERIAL	BROOK TROUT		1.50		12.0	7.5	314
21	89.00% TECHNICAL MATERIAL	BROOK TROUT	FINGERLING	.		12.0	7.5	314
22	89.00% TECHNICAL MATERIAL	NORTHERN PIKE	FINGERLING	.		12.0	7.5	314
23	89.00% TECHNICAL MATERIAL	NORTHERN PIKE	YOLK-SAC FRY	.		12.0	7.4	44
24	89.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.30		12.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	41.5	29.100	59.300		.	.	6.6	.	.
2	STATIC	LC	1380.	1224.000	1556.000		.	.	407.	327.000	507.000
3	STATIC	LC	1620.	1304.000	2013.000		.	.	1160.	1021.000	1318.000
4	STATIC	LC	1110.	1011.000	1218.000		.	.	215.	169.000	274.000
5	STATIC	LC	1340.	1203.000	1492.000		.	.	425.	368.000	491.000
6	STATIC	LC	1530.	1297.000	1805.000		.	.	585.	513.000	667.000
7	STATIC	LC	870.	713.000	1062.000		.	.	513.	428.000	614.000
8	STATIC	LC	1200.	1072.000	1344.000		.	.	550.	457.000	662.000
9	STATIC	LC	1410	1172.000	1697.000		.	.	540.	482.000	605.000
10	FLOW THROUGH	LC	>251.	.	.		.	.	>251.	.	.
11	STATIC	LC	270.	154.000	472.000		.	.	180.	119.000	272.000
12	STATIC	LC	>1000.	.	.		.	.	865.	734.000	1019.000
13	STATIC	LC	>1000.	.	.		.	.	380.	311.000	465.000
14	STATIC	LC	>1500.	.	.		.	.	750.	603.000	933.000
15	FLOW THROUGH	LC	510.	346.000	750.000		.	.	388.	320.000	458.000
16	STATIC	LC	1500.	1247.000	1802.000		.	.	210.	.	.
17	STATIC	LC	>400.	.	.		.	.	582.	398.000	851.000
18	STATIC	LC	>400.	.	.		.	.	>400.	.	.
19	STATIC	LC	>1500.	.	.		.	.	432.	371.000	503.000
20	FLOW THROUGH	LC	>500.	.	.		.	.	>500.	.	.
21	FLOW THROUGH	LC	>800.	.	.		.	.	900.	754.000	1075.000
22	FLOW THROUGH	LC	232.	177.000	273.000		.	.	165.	123.000	221.000
23	STATIC	LC	>700.	.	.		.	.	415.	.	.
24	STATIC	LC	>2500.	.	.		.	.	2900.	2260.000	3721.000

PHOXIM
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	89.00% TECHNICAL MATERIAL	CHANNEL CATFISH	FINGERLING	.	12.0	7.4	44
26	89.00% TECHNICAL MATERIAL	BLUEGILL		0.60	12.0	7.5	44
27	89.00% TECHNICAL MATERIAL	BLUEGILL		1.10	17.0	7.4	44
28	89.00% TECHNICAL MATERIAL	BLUEGILL		1.10	22.0	7.4	44
29	89.00% TECHNICAL MATERIAL	BLUEGILL		0.55	12.0	6.5	44
30	89.00% TECHNICAL MATERIAL	BLUEGILL		0.60	12.0	9.5	44
31	89.00% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	6.6	12
32	89.00% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	7.8	170
33	89.00% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	8.2	300
34	89.00% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	7.5	314
35	89.00% TECHNICAL MATERIAL	BLUEGILL		0.60	12.0	7.5	314
36	89.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.5	44
37	89.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.5	44
38	89.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.5	44
39	89.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.5	44
40	89.00% TECHNICAL MATERIAL	YELLOW PERCH	FINGERLING	.	12.0	7.5	44
41	89.00% TECHNICAL MATERIAL	YELLOW PERCH	FINGERLING	.	17.0	7.5	44
42	89.00% TECHNICAL MATERIAL	YELLOW PERCH	FINGERLING	.	12.0	7.5	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	1560.	1253.000	1943.000		.	.	1210.	1009.000	1451.000
26	STATIC	LC	>2000.	.	.		.	.	432.	338.000	552.000
27	STATIC	LC	1300.	938.000	1802.000		.	.	196.	137.000	280.000
28	STATIC	LC	490.	347.000	693.000		.	.	82.	61.000	110.000
29	STATIC	LC	>2000.	.	.		.	.	745.	635.000	874.000
30	STATIC	LC	>2000.	.	.		.	.	1530.	1187.000	1972.000
31	STATIC	LC	1230.	997.000	1517.000		.	.	340.	258.000	447.000
32	STATIC	LC	1200.	989.000	1457.000		.	.	546.	437.000	683.000
33	STATIC	LC	1690.	1170.000	2441.000		.	.	393.	302.000	511.000
34	FLOW THROUGH	LC	660.	565.000	771.000		.	.	170.	115.000	251.000
35	FLOW THROUGH	LC	>251.	.	.		.	.	263.	220.000	314.000
36	0 DAY DEGRA	LC		.	.		.	.	1020.	755.000	1380.000
37	7 DAY DEGRA	LC		.	.		.	.	1000.	815.000	1230.000
38	14 DAY DEGRA	LC		.	.		.	.	1280.	1090.000	1510.000
39	21 DAY DEGRA	LC		.	.		.	.	1680.	1300.000	2170.000
40	STATIC	LC	<1000.	.	.		.	.	605.	526.000	696.000
41	STATIC	LC	818.	715.000	936.000		.	.	563.	470.000	675.000
42	FLOW THROUGH	LC	>800.	.	.		.	.	710.	534.000	945.000

PHTHALATE DIBUTYL

CAS # 84-74-2 PRINCIPAL USE: PLASTICIZER

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	21.0	7.4	272
2	100.0% LIQUID	ORCONECTES NAIS	EARLY INSTAR	.	21.0	7.4	272
3	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	272
4	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44
5	100.0% LIQUID	RAINBOW TROUT		1.10	12.0	7.1	44
6	100.0% LIQUID	RAINBOW TROUT		1.50	12.0	7.4	44
7	100.0% LIQUID	RAINBOW TROUT		2.20	10.0	7.4	272
8	100.0% LIQUID	RAINBOW TROUT	YOLK-SAC FRY	.	12.0	7.6	314
9	100.0% LIQUID	FATHEAD MINNOW		0.80	17.0	7.1	44
10	100.0% LIQUID	FATHEAD MINNOW		1.10	20.0	7.4	272
11	100.0% LIQUID	CHANNEL CATFISH		1.40	17.0	7.1	44
12	100.0% LIQUID	CHANNEL CATFISH	YOLK-SAC FRY	.	20.0	7.4	272
13	100.0% LIQUID	BLUEGILL		1.40	17.0	7.1	44
14	100.0% LIQUID	BLUEGILL		1.30	12.0	6.5	44
15	100.0% LIQUID	BLUEGILL		1.30	12.0	7.5	44
16	100.0% LIQUID	BLUEGILL		1.30	12.0	9.0	44
17	100.0% LIQUID	BLUEGILL		1.70	20.0	7.4	272
18	100.0% LIQUID	YELLOW PERCH		0.80	12.0	7.6	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	7.0	.	.		.	.	2.1	.	.
2	STATIC	LC	>10.0	.	.		.	.	>10.0	.	.
3	STATIC	EC		.	.	5.4	3.500	7.500		.	.
4	STATIC	EC		.	.	4.0	3.000	5.400		.	.
5	STATIC	LC	>16.0	.	.		.	.	6.47	2.880	12.100
6	STATIC	LC	2.80	1.460	5.360		.	.	2.56	1.240	5.300
7	FLOW THROUGH	LC	4.2	3.800	4.600		.	.	1.48	1.300	1.670
8	FLOW THROUGH	LC	>1.24	.	.		.	.	>1.24	.	.
9	STATIC	LC	3.3	2.600	4.300		.	.	1.30	0.310	5.450
10	FLOW THROUGH	LC	4.8	4.300	5.300		.	.	3.95	3.470	4.500
11	STATIC	LC	3.72	1.070	13.000		.	.	2.91	1.380	6.130
12	FLOW THROUGH	LC		.	.		.	.	0.46	0.400	0.530
13	STATIC	LC	1.23	0.660	2.280		.	.	0.73	0.420	1.280
14	STATIC	LC	>3.0	.	.		.	.	2.10	1.580	2.800
15	STATIC	LC	>3.0	.	.		.	.	1.58	1.320	1.890
16	STATIC	LC	>3.0	.	.		.	.	2.05	1.560	2.690
17	FLOW THROUGH	LC		.	.		.	.	1.55	1.380	1.740
18	FLOW THROUGH	LC	>1.24	.	.		.	.	0.35	0.280	0.440

PHTHALATE DI-2-ETHYLHEXYL
MEASURED IN MG /L

CAS # 117-81-7 PRINCIPAL USE: PLASTICIZER

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	21.0	7.4	272
2	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44
3	100.0% LIQUID	COHO SALMON		1.50	16.0	7.4	44
4	100.0% LIQUID	RAINBOW TROUT		1.50	12.0	7.4	44
5	100.0% LIQUID	FATHEAD MINNOW	FINGERLING	.	25.0	7.4	272
6	100.0% LIQUID	CHANNEL CATFISH		1.50	20.0	7.4	44
7	100.0% LIQUID	CHANNEL CATFISH		3.10	22.0	7.4	272
8	100.0% LIQUID	BLUEGILL		0.60	17.0	7.4	44
9	100.0% LIQUID	BLUEGILL		7.20	22.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>32.0	.	.		.	.	>32.0	.	.
2	STATIC	EC		.	.	>18.	.	.		.	.
3	STATIC	LC	>100.	.	.		.	.	>100.	.	.
4	STATIC	LC	>100.	.	.		.	.	>100.	.	.
5	FLOW THROUGH	LC		.	.		.	.	>1.0	.	.
6	STATIC	LC	>100.	.	.		.	.	>100.	.	.
7	FLOW THROUGH	LC		.	.		.	.	>0.2	.	.
8	STATIC	LC	>100.	.	.		.	.	>100.	.	.
9	FLOW THROUGH	LC		.	.		.	.	>0.2	.	.

CAS # 59348-65-1 PRINCIPAL USE: METABOLITE

PHTHALATE 2-ETHYLHEXYL
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	>72.	.	.		.	.

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PHTHALIC ACID

CAS # 88-99-3 PRINCIPAL USE: METABOLITE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	>72.	.	.		.	.

PICLORAM

CAS # 19180-02-1 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	44
2	99.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.1	44
3	99.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.0	45
4	99.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
5	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	12.0	7.4	44
6	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	10.0	6.5	44
7	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	10.0	7.5	44
8	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	10.0	8.5	44
9	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	5.0	7.4	44
10	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	10.0	7.4	44
11	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	15.0	7.4	44
12	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.7	44
13	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.7	170
14	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	10.0	7.7	300
15	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	7.4	44
16	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	7.4	44
17	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	7.4	44
18	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	7.4	44
19	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	7.4	44
20	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		3.80	10.0	7.4	162
21	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.40	10.0	7.4	44
22	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.10	10.0	7.4	162
23	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.10	10.0	7.4	162
24	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.10	10.0	7.4	162

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	76.	59.000	97.000		.	.
2	STATIC	LC	50.	35.000	71.000		.	.	27.	20.000	37.000
3	STATIC	LC	20.	15.000	26.000		.	.	16.5	10.800	25.300
4	STATIC	LC	140.	110.000	180.000		.	.	48.	37.000	62.000
5	STATIC	LC	5.5	4.500	6.600		.	.	4.8	3.800	6.200
6	STATIC	LC	12.5	9.000	17.400		.	.	8.6	7.600	9.700
7	STATIC	LC	6.0	4.300	8.500		.	.	4.7	3.900	5.600
8	STATIC	LC	4.7	3.900	5.600		.	.	4.2	3.400	5.100
9	STATIC	LC	8.3	5.500	12.600		.	.	6.5	5.600	7.600
10	STATIC	LC	5.5	5.000	6.000		.	.	5.0	4.400	5.700
11	STATIC	LC	4.8	3.700	6.200		.	.	4.1	3.400	5.000
12	STATIC	LC	3.7	2.900	4.700		.	.	3.7	2.900	4.700
13	STATIC	LC	4.4	4.000	4.900		.	.	3.5	3.000	4.000
14	STATIC	LC	4.4	.	.		.	.	3.5	3.000	4.000
15	0 DAY DEGRA	LC	>6.0	.	.		.	.	5.8	5.000	6.700
16	7 DAY DEGRA	LC	5.3	4.100	6.800		.	.	4.8	3.700	6.100
17	14 DAY DEGRA	LC	6.0	5.400	6.700		.	.	4.8	4.100	5.600
18	21 DAY DEGRA	LC	>7.5	.	.		.	.	7.8	6.200	9.800
19	28 DAY DEGRA	LC	>7.5	.	.		.	.	5.9	4.800	7.300
20	FLOW THROUGH	LC		.	.		.	.	1.5	1.200	1.800
21	STATIC	LC	6.7	5.600	8.000		.	.	5.4	.	.
22	STATIC	LC	3.4	2.500	4.400		.	.		.	.
23	STATIC	LC		.	.		.	.	5.8	4.600	7.400
24	STATIC	LC	4.4	3.600	5.400		.	.		.	.

PICLORAM
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50	10.0	7.4	44
26	99.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	12.0	7.4	44
27	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	13.0	7.1	44
28	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	13.0	7.4	272
29	24.90% LIQUID	RAINBOW TROUT		0.60	12.0	7.4	40
30	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	7.0	7.4	40
31	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	40
32	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	17.0	7.4	40
33	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	6.5	40
34	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.5	40
35	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	8.5	40
36	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	40
37	99.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	8.0	320
38	99.00% TECHNICAL MATERIAL	RAINBOW TROUT	FINGERLING	1.20	12.0	7.4	40
39	99.00% TECHNICAL MATERIAL	RAINBOW TROUT	SWIMUP FRY	.	12.0	7.4	40
40	99.00% TECHNICAL MATERIAL	RAINBOW TROUT	YOLK-SAC FRY	.	12.0	7.4	40
41	99.00% TECHNICAL MATERIAL	LAKE TROUT		0.30	10.0	7.4	44
42	99.00% TECHNICAL MATERIAL	LAKE TROUT		0.70	5.0	7.4	44
43	99.00% TECHNICAL MATERIAL	LAKE TROUT		0.50	15.0	7.4	44
44	99.00% TECHNICAL MATERIAL	LAKE TROUT		1.50	10.0	6.5	44
45	99.00% TECHNICAL MATERIAL	LAKE TROUT		1.50	10.0	7.5	44
46	99.00% TECHNICAL MATERIAL	LAKE TROUT		1.30	10.0	8.5	44
47	99.00% TECHNICAL MATERIAL	LAKE TROUT		1.10	10.0	7.7	44
48	99.00% TECHNICAL MATERIAL	LAKE TROUT		1.60	10.0	7.7	160

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	4.7	3.800	5.800		.	.	4.7	3.800	5.800
26	STATIC	LC		.	.		.	.	6.4	5.400	7.600
27	STATIC	LC	5.2	2.800	9.500		.	.	4.0	2.800	5.900
28	STATIC	LC	3.1	1.700	5.600		.	.	3.1	1.700	5.600
29	STATIC	LC	12.	9.800	14.700		.	.	12.	9.800	14.700
30	STATIC	LC	11.	7.600	15.800		.	.	10.	7.200	13.900
31	STATIC	LC	13.5	11.100	16.500		.	.	12.5	9.500	16.500
32	STATIC	LC		.	.		.	.	12.0	9.000	16.100
33	STATIC	LC	13.	10.700	15.800		.	.	13.	10.700	15.800
34	STATIC	LC	6.8	4.900	9.400		.	.	6.0	4.300	8.300
35	STATIC	LC	6.0	4.100	8.700		.	.	5.8	4.300	7.800
36	STATIC	LC	16.	10.700	23.900		.	.	14.	10.500	18.500
37	STATIC	LC	8.7	6.500	11.500		.	.	8.0	6.100	10.400
38	STATIC	LC	12.0	8.700	16.600		.	.	11.0	7.400	16.400
39	STATIC	LC	17.0	11.500	25.000		.	.	8.0	6.500	9.900
40	STATIC	LC	17.0	13.300	21.600		.	.	8.0	6.000	10.500
41	STATIC	LC	4.3	3.900	4.800		.	.	4.3	4.000	4.500
42	STATIC	LC	4.6	3.000	7.200		.	.	3.6	3.000	4.400
43	STATIC	LC	2.7	1.900	3.600		.	.	2.4	1.700	3.300
44	STATIC	LC	5.0	4.200	5.900		.	.	5.0	4.200	5.900
45	STATIC	LC	3.0	2.200	4.100		.	.	2.7	1.800	4.000
46	STATIC	LC	2.1	1.600	2.700		.	.	2.1	1.600	2.700
47	STATIC	LC	2.2	1.600	2.900		.	.	2.2	1.600	2.900
48	STATIC	LC	1.8	1.400	2.200		.	.	1.6	1.200	2.000

PICLORAM

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	99.00% TECHNICAL MATERIAL	LAKE TROUT		1.20	10.0	7.7	300
50	99.00% TECHNICAL MATERIAL	LAKE TROUT		1.30	10.0	7.4	44
51	99.00% TECHNICAL MATERIAL	LAKE TROUT		2.50	10.0	7.4	162
52	99.00% TECHNICAL MATERIAL	LAKE TROUT	SWIMUP FRY	.	10.0	7.4	162
53	99.00% TECHNICAL MATERIAL	LAKE TROUT	YOLK-SAC FRY	.	10.0	7.4	44
54	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.1	44
55	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40	18.0	7.1	44
56	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	22.0	7.4	40
57	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.00	22.0	7.4	40
58	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.30	22.0	7.4	40
59	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH	SWIMUP FRY	.	22.0	7.4	40
60	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	22.0	7.4	40
61	24.90% LIQUID	BLUEGILL		0.90	18.0	7.1	44
62	24.90% LIQUID	BLUEGILL		0.50	22.0	7.4	40
63	99.00% TECHNICAL MATERIAL	BLUEGILL		0.90	12.0	7.4	40
64	99.00% TECHNICAL MATERIAL	BLUEGILL		0.90	17.0	7.4	40
65	99.00% TECHNICAL MATERIAL	BLUEGILL		0.90	22.0	7.4	40
66	99.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	6.5	40
67	99.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	7.5	40
68	99.00% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	8.5	40
69	99.00% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.4	40
70	99.00% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.4	320

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
49	STATIC	LC	2.4	1.900	3.100		.	.	2.1	1.600	2.800
50	STATIC	LC	3.5	2.500	5.000		.	.	3.5	2.500	5.000
51	FLOW THROUGH	LC		.	.		.	.	1.9	1.600	2.100
52	STATIC	LC	3.7	3.300	4.200		.	.	2.9	2.400	3.400
53	STATIC	LC	16.8	11.400	24.600		.	.	16.8	11.400	24.600
54	STATIC	LC	3.2	2.500	4.100		.	.	1.4	0.700	2.500
55	STATIC	LC	44.	32.000	56.000		.	.	6.3	3.600	11.100
56	STATIC	LC	14.	10.800	18.200		.	.	13.	10.300	16.400
57	STATIC	LC	21.	15.700	28.000		.	.	15.5	11.400	21.000
58	STATIC	LC	24.	20.000	29.000		.	.	22.	17.000	28.000
59	STATIC	LC		.	.		.	.	6.8	3.500	13.000
60	STATIC	LC		.	.		.	.	5.8	4.600	7.200
61	STATIC	LC	39.	31.000	48.000		.	.	26.8	22.900	31.300
62	STATIC	LC		.	.		.	.	23.	17.700	29.900
63	STATIC	LC	>100.	.	.		.	.	33.	22.000	49.000
64	STATIC	LC		56.000	100.000		.	.	31.	22.000	43.000
65	STATIC	LC	90.	57.000	141.000		.	.	23.	18.000	30.000
66	STATIC	LC	92.	58.000	146.000		.	.	20.	14.000	27.000
67	STATIC	LC	30.	23.000	39.000		.	.	18.	14.000	25.000
68	STATIC	LC	32.	19.000	53.000		.	.	19.	13.000	28.000
69	STATIC	LC	68.	52.000	88.000		.	.	26.	21.000	32.000
70	STATIC	LC	43.	33.000	56.000		.	.	13.5	10.400	17.000

PIPERALIN

CAS # 3478-94-2   PRINCIPAL USE: FUNGICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	82.40% LIQUID CONCENTRATE	GOLDFISH		1.00	18.0	7.4	44

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OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	3.1	2.700	3.700		.	.	2.0	1.500	2.600

CAS # 51-03-6 PRINCIPAL USE: SYNERGIST

PIPERONYL BUTOXIDE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.4	272
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	272
4	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	44
5	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	18.0	7.4	44
6	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.4	44
7	100.0% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	.	15.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	12.	6.600	22.000		.	.	12.	6.600	22.000
2	STATIC	LC	4.0	2.700	5.900		.	.	1.9	1.000	3.500
3	STATIC	LC	5.9	3.600	9.500		.	.	1.8	1.000	3.300
4	STATIC	LC	4.7	3.200	7.000		.	.	3.4	2.700	4.300
5	STATIC	LC	8.2	6.800	9.800		.	.	4.2	3.800	4.600
6	STATIC	LC		.	.		.	.	9.7	8.500	11.000
7	STATIC	LC	.28	0.209	0.375		.	.	.210	0.162	0.272

CAS # 86-87-3 PRINCIPAL USE: HERBICIDE

POTASSIUM NAPHTHALENEACETATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	24.50% LIQUID	COHO SALMON		1.40	12.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	76.	47.000	117.000

PROFENOFOS

CAS # 41198-08-7 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	90.60% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	42
2	71.90% EMULSIFIABLE CONCENTRATE	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.3	40
3	90.60% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.5	45
4	71.90% EMULSIFIABLE CONCENTRATE	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.5	42
5	90.60% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.3	43
6	71.90% EMULSIFIABLE CONCENTRATE	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	45
7	90.60% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	39
8	71.90% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.60	12.0	7.4	39
9	90.60% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	22.0	7.4	40
10	71.90% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		0.60	22.0	7.4	40
11	90.60% TECHNICAL MATERIAL	BLUEGILL		0.30	22.0	7.1	42
12	71.90% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.30	22.0	7.1	42

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	1.4	0.900	2.100		.	.
2	STATIC	EC		.	.	0.5	0.400	0.600		.	.
3	STATIC	LC		.	.		.	.	0.8	0.600	1.100
4	STATIC	LC		.	.		.	.	1.8	1.500	2.100
5	STATIC	EC		.	.	1.0	0.600	1.700		.	.
6	STATIC	EC		.	.	1.8	1.100	3.000		.	.
7	STATIC	LC		.	.		.	.	23.5	17.500	31.500
8	STATIC	LC		.	.		.	.	43.0	31.000	59.700
9	STATIC	LC	45.0	28.700	70.600		.	.	18.0	11.100	29.100
10	STATIC	LC	20.0	14.900	28.400		.	.	13.5	10.800	16.900
11	STATIC	LC	42.0	31.500	56.000		.	.	13.5	10.100	18.100
12	STATIC	LC		.	.		.	.	13.5	10.600	17.200

PROPACHLOR

CAS # 1918-16-7 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	94.50% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.3	45
2	47.90% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.3	45
3	94.50% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.3	45
4	47.90% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.3	45
5	94.50% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	22.0	7.4	42
6	47.90% LIQUID	CHANNEL CATFISH		0.60	22.0	7.4	42

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	6.9	5.600	8.600		.	.
2	STATIC	EC		.	.	6.9	5.600	8.600		.	.
3	STATIC	EC		.	.	0.79	0.460	1.350		.	.
4	STATIC	EC		.	.	0.79	0.480	1.270		.	.
5	STATIC	LC	0.32	0.230	0.440		.	.	0.23	0.180	0.290
6	STATIC	LC	0.32	0.230	0.440		.	.	0.28	0.220	0.360

PROPANIL

CAS # 709-98-8 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	44
3	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	54.	31.000	82.000		.	.	16.	8.500	32.000
2	STATIC	LC	2.8	2.100	3.800		.	.		.	.
3	STATIC	LC	18.	11.600	27.900		.	.	<3.7	.	.

PROPHAM

CAS # 122-42-9 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

BEST COPY AVAILABLE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.1	44
2	100.0% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.1	44
3	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	272
4	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.1	44
5	100.0% TECHNICAL MATERIAL	BLUEGILL		0.30	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	8.1	5.200	12.500		.	.
2	STATIC	EC		.	.	10.0	6.900	14.500		.	.
3	STATIC	LC	54.	31.000	92.000		.	.	19.	10.000	34.000
4	STATIC	LC	38.	34.000	43.000		.	.	38.	34.000	43.000
5	STATIC	LC	32.	.	.		.	.	29.	.	.

PROPOXUR

CAS # 114-26-1 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	88.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	44
2	88.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.1	44
3	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	13.0	7.1	44
4	88.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.60	18.0	7.1	44
5	88.00% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	66.	54.000	79.000		.	.	34.	29.000	39.000
2	STATIC	LC	25.	.	.		.	.	18.	.	.
3	STATIC	LC	11000.	.	.		.	.	8200.	.	.
4	STATIC	LC	25000.	.	.		.	.	25000.	.	.
5	STATIC	LC	5100.	.	.		.	.	4800.	.	.

PROPYLENE GLYCOL
MEASURED IN ML /L

CAS # 57-55-6 PRINCIPAL USE: SOLVENT

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC		.	.		.	.	44.	41.000	47.000

PROPYL ISOME

CAS # 83-59-0 PRINCIPAL USE: SYNERGIST

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	44.	33.000	59.000		.	.	13.	8.000	23.000

PURIFLOC C-3

CAS #   PRINCIPAL USE: FLOCCULANT   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	CHINOOK SALMON	YOLK-SAC FRY	.	10.0	7.4	44
2	100.0% LIQUID	RAINBOW TROUT		1.30	11.0	7.4	44
3	100.0% LIQUID	RAINBOW TROUT		1.00	11.0	7.4	272
4	100.0% LIQUID	FATHEAD MINNOW		1.20	17.0	7.4	44
5	100.0% LIQUID	FATHEAD MINNOW		1.70	17.0	7.4	272
6	100.0% LIQUID	CHANNEL CATFISH		1.50	20.0	7.4	44
7	100.0% LIQUID	BLUEGILL		0.60	20.0	7.4	44
8	100.0% LIQUID	BLUEGILL		1.70	20.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>2000.	.	.		.	.	357.	251.000	507.000
2	STATIC	LC	1230.	1060.000	1430.000		.	.	446.	310.000	640.000
3	FLOW THROUGH	LC	>500.	.	.		.	.	185.	156.000	220.000
4	STATIC	LC	650.	572.000	739.000		.	.	490.	419.000	596.000
5	FLOW THROUGH	LC	2240.	1590.000	3155.000		.	.	560.	471.000	666.000
6	STATIC	LC	995.	739.000	1341.000		.	.	680.	539.000	858.000
7	STATIC	LC	1550.	1310.000	1820.000		.	.	1470.	1250.000	1730.000
8	FLOW THROUGH	LC	>1500.	.	.		.	.	1240.	697.000	2210.000

PYDRAUL 50E

CAS # PRINCIPAL USE: HYDRAULIC FLUID MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	20.0	7.5	44
2	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	20.0	7.4	272
3	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.2	41
4	100.0% LIQUID	ORCONECTES NAIS	MATURE	.	16.0	7.4	272
5	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	17.0	7.5	44
6	100.0% LIQUID	COHO SALMON		0.50	12.0	7.4	44
7	100.0% LIQUID	CHINOOK SALMON		0.40	12.0	7.8	300
8	100.0% LIQUID	RAINBOW TROUT		1.30	10.0	7.4	44
9	100.0% LIQUID	RAINBOW TROUT		1.80	17.0	7.4	272
10	100.0% LIQUID	RAINBOW TROUT		0.60	12.0	7.4	40
11	100.0% LIQUID	BROWN TROUT	GREEN EGG	.	12.0	7.4	44
12	100.0% LIQUID	BROWN TROUT	GREEN EGG	.	12.0	7.8	170
13	100.0% LIQUID	BROWN TROUT	GREEN EGG	.	12.0	8.2	300
14	100.0% LIQUID	BROOK TROUT		4.00	12.0	7.5	314
15	100.0% LIQUID	LAKE TROUT	FINGERLING	0.80	10.0	7.4	170
16	100.0% LIQUID	LAKE TROUT	SWIMUP FRY	.	10.0	7.2	170
17	100.0% LIQUID	LAKE TROUT	YOLK-SAC FRY	.	10.0	7.2	170
18	100.0% LIQUID	FATHEAD MINNOW		1.00	20.0	7.4	44
19	100.0% LIQUID	FATHEAD MINNOW		1.60	16.0	7.4	272
20	100.0% LIQUID	FATHEAD MINNOW		1.00	22.0	7.3	46
21	100.0% LIQUID	CHANNEL CATFISH		1.60	21.0	7.4	44
22	100.0% LIQUID	CHANNEL CATFISH		1.20	16.0	7.4	272
23	100.0% LIQUID	CHANNEL CATFISH		0.23	22.0	7.5	38
24	100.0% LIQUID	CHANNEL CATFISH		0.50	12.0	7.8	300

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	1.6	1.100	2.200		.	.
2	STATIC	LC	1.5	1.200	2.000		.	.	0.56	0.400	0.780
3	STATIC	LC		.	.		.	.	3.8	2.600	5.500
4	FLOW THROUGH	LC	>1.5	.	.		.	.	>1.5	.	.
5	STATIC	EC		.	.	3.5	2.300	5.100		.	.
6	STATIC	LC	1.4	.	.		.	.	0.1	.	.
7	FLOW THROUGH	LC		.	.		.	.	1.2	0.940	1.480
8	STATIC	LC	1.3	0.900	1.800		.	.	0.72	0.520	1.010
9	FLOW THROUGH	LC		.	.		.	.	0.67	0.560	0.810
10	STATIC	LC	3.0	2.500	3.600		.	.	2.0	1.800	2.900
11	STATIC	LC	>15.	.	.		.	.	11.	8.500	13.000
12	STATIC	LC	>15.	.	.		.	.	17.	12.000	25.000
13	STATIC	LC	>15.	.	.		.	.	11.	8.500	15.000
14	FLOW THROUGH	LC	2.1	1.800	2.400		.	.	1.4	1.200	1.700
15	STATIC	LC	1.9	1.600	2.300		.	.	1.5	1.200	1.900
16	STATIC	LC	2.9	2.400	3.400		.	.	2.9	2.400	3.400
17	STATIC	LC	3.6	3.000	4.500		.	.	2.8	2.100	3.700
18	STATIC	LC	2.5	1.100	5.500		.	.	1.3	0.500	3.200
19	FLOW THROUGH	LC		.	.		.	.	2.1	1.800	2.300
20	STATIC	LC	7.2	5.500	9.400		.	.	2.0	1.400	2.900
21	STATIC	LC	7.2	5.500	9.500		.	.	3.0	2.200	4.100
22	FLOW THROUGH	LC		.	.		.	.	2.4	2.200	2.600
23	STATIC	LC		.	.		.	.	2.7	2.000	3.700
24	FLOW THROUGH	LC		.	.		.	.	3.2	2.100	5.000

BEST COPY AVAILABLE

PYDRAUL 50E
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	100.0% LIQUID	BLUEGILL		0.60	20.0	7.4	44
26	100.0% LIQUID	BLUEGILL		0.40	12.0	7.5	44
27	100.0% LIQUID	BLUEGILL		1.50	21.0	7.4	272
28	100.0% LIQUID	YELLOW PERCH		7.20	12.0	7.8	300

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC	4.4	3.000	6.300		.	.	2.2	1.500	3.200
26	STATIC	LC	5.7	4.600	7.100		.	.	3.5	3.100	3.900
27	FLOW THROUGH	LC		.	.		.	.	2.8	2.500	3.100
28	FLOW THROUGH	LC		.	.		.	.	0.54	0.420	0.700

PYDRAUL 115E

CAS # 66594-32-9 PRINCIPAL USE: HYDRAULIC FLUID

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	RAINBOW TROUT		1.00	12.0	7.4	44
2	100.0% LIQUID	RAINBOW TROUT		0.60	12.0	7.4	40
3	100.0% LIQUID	FATHEAD MINNOW		1.00	22.0	7.3	46
4	100.0% LIQUID	CHANNEL CATFISH		1.30	20.0	7.4	44
5	100.0% LIQUID	CHANNEL CATFISH		0.23	22.0	7.5	38
6	100.0% LIQUID	CHANNEL CATFISH		0.90	22.0	7.6	44
7	100.0% LIQUID	BLUEGILL		0.60	20.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	45.	34.000	60.000
2	STATIC	LC	27.	19.000	39.000		.	.	10.	6.000	17.000
3	STATIC	LC	>100.	.	.		.	.	46.	25.000	85.000
4	STATIC	LC	>100.	.	.		.	.	>100.	.	.
5	STATIC	LC		.	.		.	.	14.	11.000	18.000
6	STATIC	LC		.	.		.	.	22.	17.000	29.000
7	STATIC	LC	>100.	.	.		.	.	>100.	.	.

BEST COPY AVAILABLE

PYRETHRUM

CAS # 8003-34-7 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT			DEG. CENT.	PH	HARDNESS MG/L
1	20.00% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.			15.0	7.4	44
2	20.00% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.			21.0	7.4	44
3	20.00% LIQUID	COHO SALMON		0.70			12.0	7.4	44
4	20.00% LIQUID	COHO SALMON	FINGERLING	.			12.0	7.6	314
5	20.00% LIQUID	CHINOOK SALMON	FINGERLING	.			12.0	7.4	44
6	20.00% LIQUID	RAINBOW TROUT		0.20	STEELHEAD	STRAIN	12.0	7.4	44
7	20.00% LIQUID	RAINBOW TROUT		0.40	STEELHEAD	STRAIN	12.0	7.4	44
8	20.00% LIQUID	RAINBOW TROUT	FINGERLING	.			12.0	7.6	314
9	20.00% LIQUID	RAINBOW TROUT	FINGERLING	.	STEELHEAD	STRAIN	12.0	7.6	314
10	20.00% LIQUID	ATLANTIC SALMON		0.20			7.0	7.4	44
11	20.00% LIQUID	BROWN TROUT		0.60			12.0	7.4	44
12	20.00% LIQUID	BROWN TROUT	FINGERLING	.			12.0	7.6	314
13	20.00% LIQUID	LAKE TROUT		0.50			12.0	7.4	44
14	20.00% LIQUID	LAKE TROUT	FINGERLING	.			12.0	7.6	314
15	20.00% LIQUID	NORTHERN PIKE	FINGERLING	.			12.0	7.6	314
16	20.00% LIQUID	FATHEAD MINNOW		0.50			12.0	7.4	44
17	20.00% LIQUID	FATHEAD MINNOW	FINGERLING	.			12.0	7.6	314
18	20.00% LIQUID	CHANNEL CATFISH		0.60			12.0	7.4	44
19	20.00% LIQUID	CHANNEL CATFISH		0.70			18.0	7.4	44
20	20.00% LIQUID	CHANNEL CATFISH	FINGERLING	.			12.0	7.4	44
21	20.00% LIQUID	CHANNEL CATFISH	FINGERLING	.			12.0	7.6	314
22	20.00% LIQUID	BLUEGILL		0.80			12.0	7.4	44
23	20.00% LIQUID	BLUEGILL		0.40			12.0	7.4	44
24	20.00% LIQUID	BLUEGILL		0.80			17.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	6.4	3.530	11.610		.	.	1.4	0.920	2.130
2	STATIC	LC	28.	20.000	39.200		.	.	12.	8.000	17.000
3	STATIC	LC	41.2	34.200	49.600		.	.	39.0	.	.
4	FLOW THROUGH	LC	27.0	21.900	33.200		.	.	23.0	17.800	29.600
5	STATIC	LC	44.5	37.700	52.500		.	.	44.5	37.700	52.500
6	STATIC	LC	24.6	20.400	29.600		.	.	24.6	20.400	27.600
7	STATIC	LC	32.0	25.100	40.900		.	.	26.0	22.900	29.500
8	FLOW THROUGH	LC	20.5	15.700	26.600		.	.	20.0	13.000	30.600
9	FLOW THROUGH	LC	45.0	37.500	54.000		.	.	22.5	19.200	26.300
10	STATIC	LC	>50.	.	.		.	.	40.0	30.100	53.100
11	STATIC	LC	61.8	51.300	74.500		.	.	50.0	43.900	57.000
12	FLOW THROUGH	LC	30.0	19.500	46.100		.	.	19.4	16.500	22.900
13	STATIC	LC	>51.	.	.		.	.	37.	31.500	43.500
14	FLOW THROUGH	LC	20.3	15.600	26.400		.	.	19.7	15.400	25.300
15	FLOW THROUGH	LC	16.8	13.000	21.500		.	.		.	.
16	STATIC	LC	>802.	.	.		.	.	320.	224.000	458.000
17	FLOW THROUGH	LC	500.	282.000	886.000		.	.	74.	42.500	121.000
18	STATIC	LC	165.	114.000	239.000		.	.	114.	95.000	137.000
19	STATIC	LC	12.5	7.900	19.800		.	.	8.96	6.700	12.000
20	STATIC	LC	44.5	37.700	52.500		.	.	44.5	37.700	52.500
21	FLOW THROUGH	LC	162.	127.000	206.000		.	.	132.	116.000	149.000
22	STATIC	LC	50.	44.600	56.100		.	.	39.	32.200	47.200
23	STATIC	LC	170.	.	.		.	.	49.0	39.200	61.300
24	STATIC	LC	88.	73.100	105.900		.	.	59.	50.600	68.800

PYRETHRUM

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	20.00% LIQUID	BLUEGILL		0.80	22.0	7.4	44
26	20.00% LIQUID	BLUEGILL		0.60	24.0	7.4	44
27	20.00% LIQUID	BLUEGILL	FINGERLING	.	12.0	7.4	44
28	20.00% LIQUID	BLUEGILL	FINGERLING	.	12.0	6.5	44
29	20.00% LIQUID	BLUEGILL	FINGERLING	.	12.0	9.5	44
30	20.00% LIQUID	BLUEGILL	FINGERLING	.	12.0	6.6	12
31	20.00% LIQUID	BLUEGILL	FINGERLING	.	12.0	7.8	170
32	20.00% LIQUID	BLUEGILL	FINGERLING	.	12.0	8.2	300
33	20.00% LIQUID	BLUEGILL	FINGERLING	.	12.0	9.5	44
34	20.00% LIQUID	BLUEGILL	FINGERLING	.	12.0	7.4	44
35	20.00% LIQUID	BLUEGILL	FINGERLING	.	12.0	6.5	44
36	20.00% LIQUID	BLUEGILL	FINGERLING	.	12.0	7.6	314
37	20.00% LIQUID	SMALLMOUTH BASS		0.90	12.0	7.4	44
38	20.00% LIQUID	SMALLMOUTH BASS	FINGERLING	.	12.0	7.6	314
39	20.00% LIQUID	LARGEMOUTH BASS		1.60	12.0	7.4	44
40	20.00% LIQUID	YELLOW PERCH	FINGERLING	.	12.0	7.6	314
41	20.00% LIQUID	WALLEYE	FINGERLING	.	12.0	7.6	314

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
25	STATIC	LC	76.	62.600	92.200		.	.	58.	51.500	65.300
26	STATIC	LC	79.	68.100	91.600		.	.	72.	61.000	84.900
27	STATIC	LC	76.	62.700	92.100		.	.	53.	44.300	63.500
28	STATIC	LC	58.	48.900	68.800		.	.	41.	35.400	47.400
29	STATIC	LC	92.	84.300	100.500		.	.	87.	80.000	94.600
30	STATIC	LC	76.	59.900	96.500		.	.	62.	53.600	71.700
31	STATIC	LC	72.	61.000	84.900		.	.	53.5	43.600	58.800
32	STATIC	LC	64.0	54.100	75.800		.	.	46.5	40.400	53.800
33	7 DAY DEGRA	LC	123.	106.000	143.000		.	.	90.	76.300	106.100
34	7 DAY DEGRA	LC	84.	68.400	103.200		.	.	56.	47.700	65.800
35	7 DAY DEGRA	LC	87.	78.100	96.900		.	.	66.	58.700	74.200
36	FLOW THROUGH	LC	140.	111.000	175.000		.	.	104.	80.300	134.000
37	STATIC	LC		10.000	15.000		.	.	14.6	1[illegible].400	18.700
38	FLOW THROUGH	LC	22.	18.000	26.800		.	.	22.	18.000	26.800
39	STATIC	LC	53.5	43.100	66.400		.	.	33.0	28.700	37.900
40	FLOW THROUGH	LC	54.	41.300	70.500		.	.	44.5	36.400	53.300
41	FLOW THROUGH	LC	15.	12.100	18.700		.	.		.	.

CAS # 10453-86-8 PRINCIPAL USE: INSECTICIDE

RESMETHRIN
MEASURED IN UG /L

BEST COPY AVAILABLE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT			DEG. CENT.	PH	HARDNESS MG/L
1	84.00% TECHNICAL MATERIAL	COHO SALMON		0.50			18.0	7.4	262
2	84.00% TECHNICAL MATERIAL	COHO SALMON	FINGERLING	.			12.0	7.6	314
3	84.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40			12.0	7.4	44
4	84.00% TECHNICAL MATERIAL	RAINBOW TROUT		2.50			12.0	7.4	262
5	84.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	STEELHEAD	STRAIN	12.0	7.4	262
6	84.00% TECHNICAL MATERIAL	RAINBOW TROUT	FINGERLING	.	STEELHEAD	STRAIN	12.0	7.4	262
7	84.00% TECHNICAL MATERIAL	BROWN TROUT	FINGERLING	.			12.0	7.6	314
8	84.00% TECHNICAL MATERIAL	LAKE TROUT		0.70			12.0	7.4	44
9	84.00% TECHNICAL MATERIAL	LAKE TROUT	FINGERLING	.			12.0	7.6	314
10	84.00% TECHNICAL MATERIAL	NORTHERN PIKE	FINGERLING	.			12.0	7.6	314
11	84.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.40			12.0	7.4	44
12	84.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70			17.0	7.4	44
13	84.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80			14.0	7.6	314
14	84.00% TECHNICAL MATERIAL	WHITE SUCKER		0.70			14.0	7.6	314
15	84.00% TECHNICAL MATERIAL	WHITE SUCKER	FINGERLING	.			12.0	7.6	314
16	84.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70			18.0	7.4	44
17	84.00% TECHNICAL MATERIAL	CHANNEL CATFISH		1.40			18.0	7.4	44
18	84.00% TECHNICAL MATERIAL	CHANNEL CATFISH	FINGERLING	.			12.0	7.6	314
19	84.00% TECHNICAL MATERIAL	BLUEGILL		0.60			18.0	7.4	44
20	84.00% TECHNICAL MATERIAL	BLUEGILL		1.00			12.0	7.6	314
21	84.00% TECHNICAL MATERIAL	BLUEGILL	FINGERLING	.			12.0	7.4	44
22	84.00% TECHNICAL MATERIAL	LARGEMOUTH BASS	FINGERLING	.			12.0	7.6	314
23	84.00% TECHNICAL MATERIAL	YELLOW PERCH	FINGERLING	.			12.0	7.6	314

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	4.95	1.910	12.800		.	.	1.77	0.550	5.770
2	FLOW THROUGH	LC	0.76	0.640	0.920		.	.		.	.
3	STATIC	LC	2.40	1.450	3.990		.	.		.	.
4	FLOW THROUGH	LC	3.62	2.300	5.720		.	.	1.82	0.950	3.490
5	STATIC	LC	0.65	0.510	0.830		.	.	0.45	0.330	0.610
6	FLOW THROUGH	LC		.	.		.	.	0.28	0.240	0.320
7	FLOW THROUGH	LC	1.60	1.370	1.860		.	.	0.75	0.610	0.920
8	STATIC	LC	>1.5	.	.		.	.	1.68	1.140	2.480
9	FLOW THROUGH	LC		.	.		.	.	0.74	0.580	0.940
10	FLOW THROUGH	LC		.	.		.	.	1.05	0.870	1.260
11	STATIC	LC	7.66	5.790	10.100		.	.	6.60	5.220	8.350
12	STATIC	LC	9.85	2.340	41.500		.	.	2.96	0.890	9.890
13	FLOW THROUGH	LC		.	.		.	.	2.70	2.090	3.480
14	FLOW THROUGH	LC		.	.		.	.	3.25	2.610	4.050
15	FLOW THROUGH	LC		.	.		.	.	2.33	2.040	2.670
16	STATIC	LC	28.6	17.000	48.300		.	.	16.6	9.600	28.600
17	STATIC	LC	33.0	19.900	54.600		.	.	27.	20.500	35.400
18	FLOW THROUGH	LC		.	.		.	.	3.20	2.540	4.030
19	STATIC	LC	17.4	6.100	49.700		.	.	1.70	0.310	9.330
20	FLOW THROUGH	LC		.	.		.	.	0.75	0.630	0.900
21	STATIC	LC	4.95	4.280	5.720		.	.	2.62	2.140	3.190
22	FLOW THROUGH	LC	1.00	0.840	1.190		.	.	0.66	0.550	0.780
23	FLOW THROUGH	LC		.	.		.	.	0.51	0.440	0.600

RONNEL

CAS # 299-84-3 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272
2	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	44
3	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.20	12.0	7.4	44
4	100.0% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.10	12.0	7.4	44
5	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.4	272
6	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.4	44
7	100.0% TECHNICAL MATERIAL	LAKE TROUT		1.20	12.0	7.4	162
8	100.0% TECHNICAL MATERIAL	LAKE TROUT		2.30	12.0	7.4	162
9	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.10	18.0	7.4	44
10	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	18.0	7.4	262
11	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	18.0	7.4	44
12	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	9800.	7200.000	10600.000		.	.	4300.	3400.000	5400.000
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.
3	STATIC	LC	1080.	926.000	1250.000		.	.	555.	415.000	742.000
4	STATIC	LC	735.	493.000	1100.000		.	.	171.	111.000	265.000
5	STATIC	LC	1350.	1120.000	1640.000		.	.	645.	530.000	780.000
6	STATIC	LC	1070.	820.000	1230.000		.	.	550.	410.000	730.000
7	STATIC	LC	890.	755.000	1049.000		.	.	490.	395.000	608.000
8	STATIC	LC	390.	341.000	445.000		.	.	265.	229.000	306.000
9	STATIC	LC	5600.	4840.000	6480.000		.	.	1600.	1480.000	1730.000
10	STATIC	LC	4200.	3330.000	5290.000		.	.	1400.	1030.000	1900.000
11	STATIC	LC	3200.	2780.000	3690.000		.	.	1350.	1130.000	1620.000
12	STATIC	LC	3900.	3510.000	4330.000		.	.	1300.	1180.000	1430.000

ROTENONE

CAS # 83-79-4 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	44.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.4	44
2	44.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.4	44
3	44.00% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	21.0	7.4	44
4	44.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	12.0	7.4	44
5	44.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	18.0	7.4	44
6	44.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.50	24.0	7.4	44
7	44.00% TECHNICAL MATERIAL	BLUEGILL		0.60	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	100.	74.000	134.000		.	.
2	STATIC	EC		.	.	310.	239.000	402.000		.	.
3	STATIC	LC	6000.	5000.000	7200.000		.	.	2600.	2100.000	3200.000
4	STATIC	LC	31.	27.000	36.000		.	.	26.	20.000	32.000
5	STATIC	LC	5.8	4.200	7.900		.	.	2.8	1.900	4.100
6	STATIC	LC	3.3	2.800	3.900		.	.	2.6	2.100	3.200
7	STATIC	LC	26.	23.000	29.000		.	.	22.5	20.000	25.000

ROWMATE

CAS # 1966-58-1   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	9.7	8.300	11.400		.	.	4.9	3.800	6.400

RU-11679

CAS #   PRINCIPAL USE: INSECTICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT			DEG. CENT.	PH	HARDNESS MG/L
1	96.00% TECHNICAL MATERIAL	COHO SALMON		11.70			12.0	7.6	314
2	96.00% TECHNICAL MATERIAL	COHO SALMON		1.10			12.0	7.4	44
3	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	STEELHEAD	STRAIN	12.0	7.6	314
4	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	STEELHEAD	STRAIN	12.0	7.4	44
5	96.00% TECHNICAL MATERIAL	RAINBOW TROUT		2.50			12.0	7.4	272
6	96.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.60			12.0	7.4	44
7	96.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20			7.0	7.4	44
8	96.00% TECHNICAL MATERIAL	BROWN TROUT	FINGERLING	.			12.0	7.6	314
9	96.00% TECHNICAL MATERIAL	LAKE TROUT		0.40			12.0	7.4	44
10	96.00% TECHNICAL MATERIAL	LAKE TROUT	FINGERLING	.			12.0	7.6	314
11	96.00% TECHNICAL MATERIAL	NORTHERN PIKE	FINGERLING	.			12.0	7.6	314
12	96.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70			12.0	7.4	44
13	96.00% TECHNICAL MATERIAL	FATHEAD MINNOW	FINGERLING	.			14.0	7.6	314
14	96.00% TECHNICAL MATERIAL	WHITE SUCKER		0.70			12.0	7.4	44
15	96.00% TECHNICAL MATERIAL	WHITE SUCKER	FINGERLING	.			12.0	7.6	314
16	96.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80			12.0	7.6	314
17	96.00% TECHNICAL MATERIAL	CHANNEL CATFISH	FINGERLING	.			12.0	7.6	314
18	96.00% TECHNICAL MATERIAL	BLUEGILL		1.00			12.0	7.6	314
19	96.00% TECHNICAL MATERIAL	BLUEGILL	FINGERLING	.			12.0	7.4	44
20	96.00% TECHNICAL MATERIAL	SMALLMOUTH BASS	FINGERLING	.			12.0	7.6	314
21	96.00% TECHNICAL MATERIAL	LARGEMOUTH BASS	FINGERLING	.			12.0	7.6	314
22	96.00% TECHNICAL MATERIAL	YELLOW PERCH	FINGERLING	.			12.0	7.6	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	FLOW THROUGH	LC		.	.		.	.	0.17	0.150	0.180
2	STATIC	LC	1.0	0.800	1.100		.	.	0.63	0.580	0.690
3	FLOW THROUGH	LC	0.38	0.310	0.460		.	.	0.10	0.070	0.130
4	STATIC	LC	0.12	0.090	0.150		.	.	0.11	0.090	0.130
5	FLOW THROUGH	LC	0.7	0.300	1.500		.	.	0.4	0.200	0.800
6	STATIC	LC	0.44	0.380	0.510		.	.	0.41	0.350	0.490
7	STATIC	LC		.	.		.	.	0.8	0.700	0.900
8	FLOW THROUGH	LC	0.5	0.400	0.700		.	.	0.4	0.300	0.500
9	STATIC	LC	0.23	0.170	0.300		.	.	0.17	0.140	0.200
10	FLOW THROUGH	LC	0.27	0.250	0.300		.	.		.	.
11	FLOW THROUGH	LC	0.14	0.120	0.170		.	.		.	.
12	STATIC	LC		.	.		.	.	0.8	0.700	1.000
13	FLOW THROUGH	LC	3.0	1.700	5.200		.	.	1.2	0.900	1.600
14	STATIC	LC		.	.		.	.	10.	3.600	28.000
15	FLOW THROUGH	LC		.	.		.	.	1.5	1.300	1.800
16	FLOW THROUGH	LC		.	.		.	.	0.6	0.400	0.700
17	FLOW THROUGH	LC	2.3	1.800	3.000		.	.	0.7	0.600	0.800
18	FLOW THROUGH	LC	0.20	0.170	0.250		.	.	0.13	0.100	0.150
19	STATIC	LC	1.4	1.000	2.000		.	.	0.3	0.200	0.500
20	FLOW THROUGH	LC	0.10	0.094	0.120		.	.	0.09	0.070	0.100
21	FLOW THROUGH	LC	0.34	0.260	0.440		.	.		.	.
22	FLOW THROUGH	LC	0.5	0.300	0.800		.	.	0.06	0.030	0.110

RYANIA

CAS # 15662-33-6 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% POWDERED STEMS	RAINBOW TROUT		1.10	12.0	7.4	44
2	100.0% POWDERED STEMS	RAINBOW TROUT		1.10	12.0	7.4	135
3	22.00% POWDERED STEMS	CHANNEL CATFISH		0.70	18.0	7.4	44
4	100.0% POWDERED STEMS	BLUEGILL		1.00	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	3350.	3000.000	3740.000		.	.	3200.	2940.000	3490.000
2	STATIC	LC	3700.	3210.000	4260.000		.	.	3400.	2810.000	4120.000
3	STATIC	LC	28000.	21800.000	36000.000		.	.	20000.	16400.000	24400.000
4	STATIC	LC	22000.	16900.000	28600.000		.	.	18500.	16100.000	21200.000

CAS #   PRINCIPAL USE: U. V. LIGHT ABSORBERS

RYLEX D (2-HYDROXY-4-DODECOXYBENZOPHENONE)
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	17.0	7.4	44

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OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	>10000	.	.		.	.	>10000	.	.

CAS #   PRINCIPAL USE. U. V. LIGHT ABSORBERS   RYLEX H (2,4-DIHYDROBENZOPHENONE)
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	12.0	7.1	40

OBS	TEST TYPE		24 HOUR CONFIDENCE INTERVAL		48 HOUR CONFIDENCE INTERVAL		96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	1.000	10.000	.	.	1.000	10.000

CAS # 13927-77-0 PRINCIPAL USE: STABILIZER

RYLEX NBC (NICKEL DIBUTYLDITHIO CARBAMATE)
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	12.0	7.1	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.

SANTICIZER 148

CAS #   PRINCIPAL USE: HYDRAULIC FLUID   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.6	40
2	100.0% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.4	40
3	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.7	46
4	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	40
5	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	8.2	38
6	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	8.7	318
7	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	6.5	40
8	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.5	40
9	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	8.5	40
10	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	22.0	7.4	40
11	100.0% TECHNICAL MATERIAL	BLUEGILL		1.10	22.0	8.1	40
12	100.0% TECHNICAL MATERIAL	BLUEGILL		1.10	22.0	8.1	320
13	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	6.5	40
14	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	7.5	40
15	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	8.5	40

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	18.0	9.200	35.100		.	.
2	STATIC	LC		.	.		.	.	4.4	3.250	5.960
3	STATIC	EC		.	.	1.25	1.000	1.500		.	.
4	STATIC	LC		.	.		.	.	26.0	13.040	51.810
5	STATIC	LC		.	.		.	.	4.1	2.500	6.600
6	STATIC	LC		.	.		.	.	9.0	6.410	12.640
7	STATIC	LC		.	.		.	.	10.5	7.310	15.080
8	STATIC	LC		.	.		.	.	13.0	9.220	18.320
9	STATIC	LC		.	.		.	.	8.8	6.120	12.660
10	STATIC	LC		.	.		.	.	72.0	51.900	99.840
11	STATIC	LC		.	.		.	.	39.0	23.970	63.450
12	STATIC	LC		.	.		.	.	84.0	48.960	144.120
13	STATIC	LC		.	.		.	.	>100.	.	.
14	STATIC	LC		.	.		.	.	>100.	.	.
15	STATIC	LC		.	.		.	.	>100.	.	.

BEST COPY AVAILABLE

SANTICIZER 154

CAS #　　PRINCIPAL USE: HYDRAULIC FLUID　　MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.6	40
2	100.0% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	40
3	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.7	46
4	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	40
5	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	6.5	40
6	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.5	40
7	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	8.5	40
8	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	7.0	7.4	40
9	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.4	40
10	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	17.0	7.4	40
11	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	8.1	40
12	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	8.1	320
13	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		1.00	22.0	7.3	46
14	100.0% TECHNICAL MATERIAL	BLUEGILL		1.00	22.0	7.4	40
15	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	7.2	40
16	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	17.0	7.2	40
17	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	7.2	40
18	100.0% TECHNICAL MATERIAL	BLUEGILL		1.10	22.0	8.1	40
19	100.0% TECHNICAL MATERIAL	BLUEGILL		1.10	22.0	8.1	320
20	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	6.5	40
21	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	7.5	40
22	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	8.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	5.0	3.650	6.850		.	.
2	STATIC	LC		.	.		.	.	1.9	1.330	2.720
3	STATIC	EC		.	.	2.8	2.100	3.700		.	.
4	STATIC	LC	2.7	1.990	3.650		.	.	1.3	0.990	1.690
5	STATIC	LC	1.7	1.160	2.490		.	.	1.0	0.700	1.430
6	STATIC	LC	2.4	1.590	3.610		.	.	1.2	0.880	1.640
7	STATIC	LC	3.2	2.230	4.600		.	.	0.90	0.610	1.330
8	STATIC	LC		.	.		.	.	1.7	1.330	2.160
9	STATIC	LC	1.8	1.280	2.520		.	.	1.1	0.790	1.510
10	STATIC	LC	1.5	0.980	2.290		.	.	1.1	0.750	1.600
11	STATIC	LC	3.20	2.320	4.420		.	.	0.84	0.560	1.260
12	STATIC	LC	3.10	2.220	4.330		.	.	0.72	0.490	1.060
13	STATIC	LC	5.9	4.120	8.290		.	.	1.4	1.060	1.850
14	STATIC	LC		.	.		.	.	2.3	1.700	3.110
15	STATIC	LC		.	.		.	.	2.8	2.290	3.430
16	STATIC	LC		.	.		.	.	2.4	1.890	3.050
17	STATIC	LC	3.9	2.080	7.320		.	.	0.96	0.690	1.340
18	STATIC	LC	3.1	2.240	4.280		.	.	2.1	1.420	3.110
19	STATIC	LC	2.7	2.160	3.380		.	.	1.8	1.230	2.650
20	STATIC	LC		.	.		.	.	1.3	0.900	1.800
21	STATIC	LC		.	.		.	.	1.95	1.300	2.900
22	STATIC	LC		.	.		.	.	2.7	2.100	3.500

CAS # 584-79-2 PRINCIPAL USE: INSECTICIDE

S-BIOALLETHRIN
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	12.0	7.5	44
2	98.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	14.0	7.6	314
3	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.90	12.0	7.6	314
4	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	7.5	44
5	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	7.5	44
6	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.5	44
7	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	6.6	12
8	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	7.8	170
9	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	8.2	300
10	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	6.5	44
11	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	9.5	44
12	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	6.5	44
13	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	7.5	44
14	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	9.5	44
15	98.00% TECHNICAL MATERIAL	YELLOW PERCH		1.50	12.0	7.5	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>100.	.	.		.	.	80.	65.900	97.100
2	FLOW THROUGH	LC	100.	81.200	123.000		.	.	53.0	35.800	78.300
3	FLOW THROUGH	LC	23.7	17.800	31.400		.	.	14.6	10.100	21.000
4	STATIC	LC	29.2	22.600	37.700		.	.	23.6	18.800	29.600
5	STATIC	LC	48.3	39.800	58.600		.	.	27.6	24.500	31.100
6	STATIC	LC	47.6	39.300	57.700		.	.		.	.
7	STATIC	LC	42.0	34.100	51.700		.	.	39.0	33.500	45.400
8	STATIC	LC	33.0	26.300	41.400		.	.	30.0	25.400	35.400
9	STATIC	LC	36.0	32.200	40.300		.	.	36.0	32.200	40.300
10	STATIC	LC	>25.0	.	.		.	.	>25.0	.	.
11	STATIC	LC	>25.0	.	.		.	.	>25.0	.	.
12	7 DAY DEGRA	LC	35.0	31.500	38.900		.	.	33.8	30.400	37.600
13	7 DAY DEGRA	LC	50.0	40.100	62.300		.	.	44.3	38.200	51.300
14	7 DAY DEGRA	LC	>50.0	.	.		.	.	53.8	42.900	67.400
15	STATIC	LC	9.6	8.400	11.000		.	.	7.8	6.500	9.400

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                                                                               SD 7438
     CAS # 2782-70-9     PRINCIPAL USE:  INSECTICIDE                                        MEASURED IN UG /L

                     CHEMICAL                                                                                           DEG.  HARDNESS
 OBS               DESCRIPTION                     SPECIES                SIZE        WEIGHT                            CENT.  PH  MG/L

   1   98.00% TECHNICAL MATERIAL        RAINBOW TROUT                                  0.50                             12.0  7.4     44
   2   98.00% TECHNICAL MATERIAL        BLUEGILL                                       1.30                             24.0  7.4     44




 OBS     __ TEST TYPE __            ___ 24 HOUR ___                    ___ 48 HOUR ___                    ___ 96 HOUR ___
                                          CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL               CONFIDENCE  INTERVAL

   1   STATIC          LC                36      28.000      46.300                  .          .           34      26.900      43.000
   2   STATIC          LC               240     201.000     287.000                  .          .          240     201.000     287.000
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SD 8339

CAS # 2312-73-4 PRINCIPAL USE: GROWTH REGULATOR

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	10.0	7.4	40
2	100.0% TECHNICAL MATERIAL	BLUEGILL		0.20	20.0	7.4	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	6.6	5.100	8.600		.	.	2.4	2.000	2.900
2	STATIC	LC	13.5	11.300	16.200		.	.	5.2	3.780	7.200

SD 16898

CAS # PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION		SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	75.00%	TECHNICAL MATERIAL	COHO SALMON		1.40	12.0	7.4	44
2	75.00%	TECHNICAL MATERIAL	RAINBOW TROUT		1.30	12.0	7.4	44
3	23.40%	EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		1.30	12.0	7.4	44
4	75.00%	TECHNICAL MATERIAL	BLUEGILL		0.50	18.0	7.4	44
5	23.40%	EMULSIFIABLE CONCENTRATE	BLUEGILL		0.50	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>490	.	.		.	.	380	319.000	452.000
2	STATIC	LC	8600	6695.000	11050.000		.	.	3400	2650.000	4360.000
3	STATIC	LC	22000	17600.000	27500.000		.	.	18500	14900.000	22900.000
4	STATIC	LC	7400	5760.000	9500.000		.	.	3900	3300.000	4600.000
5	STATIC	LC	17000	13400.000	21600.000		.	.	9000	7420.000	10900.000

SD 17250

CAS # 29118-87-4 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	COHO SALMON		1.40	12.0	7.4	44
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	44
3	75.00% WETTABLE POWDER	BLUEGILL		0.50	18.0	7.4	44
4	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	18.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	8700.	6200.000	12200.000		.	.	3100.	2350.000	4100.000
2	STATIC	LC	7700.	4090.000	14500.000		.	.	1500.	995.000	2250.000
3	STATIC	LC	2100.	1900.000	2400.000		.	.	1100.	926.000	1350.000
4	STATIC	LC	11800.	9090.000	15300.000		.	.	5660.	3350.000	9540.000

SILVEX

CAS # 93-72-1　　PRINCIPAL USE: HERBICIDE　　MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	65.20% LIQUID	ASELLUS BREVICAUDUS	IMMATURE	.	18.0	7.4	44
2	65.20% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.	21.0	7.4	44
3	65.20% LIQUID	COHO SALMON		1.40	12.0	7.4	44
4	65.20% LIQUID	RAINBOW TROUT		1.10	12.0	7.4	44
5	45.00% LIQUID	RAINBOW TROUT		1.10	12.0	7.4	44
6	45.00% LIQUID	FATHEAD MINNOW		1.00	17.0	7.4	44
7	45.00% LIQUID	FATHEAD MINNOW		1.00	17.0	7.4	44
8	45.00% LIQUID	CHANNEL CATFISH		1.40	17.0	7.4	44
9	45.00% LIQUID	CHANNEL CATFISH		1.60	17.0	7.4	44
10	45.00% LIQUID	BLUEGILL		1.00	17.0	7.4	44
11	45.00% LIQUID	BLUEGILL		0.70	17.0	7.4	44
12	53.00% TECHNICAL MATERIAL	BLUEGILL		0.60	24.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	>32.	.	.		.	.	>32.	.	.
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.
3	STATIC	LC	1.1	0.820	1.470		.	.	0.6	0.450	0.790
4	STATIC	LC	23.7	19.500	28.200		.	.	17.2	14.000	21.000
5	STATIC	LC	24.5	18.700	32.000		.	.	18.5	14.900	23.000
6	STATIC	LC	31.3	25.200	38.700		.	.	15.8	12.200	20.500
7	STATIC	LC	55.1	41.200	73.700		.	.	18.5	13.300	25.800
8	STATIC	LC	34.3	32.000	36.600		.	.	29.4	27.500	31.400
9	STATIC	LC	23.4	20.900	26.000		.	.	19.4	15.900	23.700
10	STATIC	LC	19.3	15.500	24.100		.	.	10.1	7.900	12.800
11	STATIC	LC	24.	20.000	28.600		.	.	10.4	8.500	12.600
12	STATIC	LC	19.0	13.900	25.900		.	.	11.7	9.260	14.800

CAS # 19398-13-1   PRINCIPAL USE: HERBICIDE

SILVEX BUTOXYETHANOL ESTER
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	58.90% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	EARLY INSTAR	.	21.0	7.4	272
2	58.90% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	EARLY INSTAR	.	15.0	7.4	44
3	58.90% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	MATURE	.	15.0	7.4	272
4	58.90% TECHNICAL MATERIAL	GOLDFISH		0.80	18.0	7.4	44
5	58.90% TECHNICAL MATERIAL	FATHEAD MINNOW	FINGERLING	.	18.0	7.4	44
6	69.50% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.4	44
7	58.90% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.4	272
8	58.90% TECHNICAL MATERIAL	REDEAR SUNFISH		1.40	24.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	4.6	3.680	5.760		.	.
2	STATIC	LC	>100.	.	.		.	.	88.	57.100	136.000
3	STATIC	LC	>10.	.	.		.	.	>10.	.	.
4	STATIC	LC	63.	49.200	80.700		.	.	61.5	48.400	78.000
5	STATIC	LC		.	.		.	.		1.000	10.000
6	STATIC	LC	49.0	45.600	52.700		.	.	44.5	41.800	47.400
7	STATIC	LC	82.	76.900	87.400		.	.	68.	64.100	72.100
8	STATIC	LC		0.100	1.000		.	.		.	.

SILVEX POTASSIUM SALT

CAS # 2818-16-8 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	60.00% LIQUID	BLUEGILL		0.60	18.0	7.4	44
2	60.00% LIQUID	BLUEGILL		2.40	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	119.	106.000	133.000		.	.		.	.
2	STATIC	LC	158.	140.000	178.000		.	.		.	.

SILVEX PROPYLENE GLYCOL BUTYL ETHER ESTER
MEASURED IN MG /L

CAS # 6047-17-2   PRINCIPAL USE: HERBICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	69.20% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.4	44
2	69.20% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.4	44
3	69.20% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	EARLY INSTAR	.	21.0	7.4	44
4	69.20% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	EARLY INSTAR	.	21.0	7.4	272
5	69.20% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	EARLY INSTAR	.	15.0	7.4	272
6	69.20% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	IMMATURE	.	21.0	7.4	272
7	69.20% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.4	44
8	62.00% LIQUID	RAINBOW TROUT		1.50	12.0	7.4	44
9	62.00% LIQUID	FATHEAD MINNOW	FINGERLING	.	18.0	7.4	44
10	62.00% LIQUID	BLUEGILL		0.90	21.0	7.4	44
11	62.00% LIQUID	BLUEGILL	FINGERLING	.	21.0	7.4	44
12	62.00% LIQUID	FOWLERS TOAD	TADPOLE	.	15.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	2.0	1.600	2.500		.	.
2	STATIC	EC		.	.	2.4	2.000	2.800		.	.
3	STATIC	EC		.	.	0.10	0.056	0.180		.	.
4	STATIC	EC	0.45	0.170	1.190		.	.		.	.
5	STATIC	LC	2.5	1.560	4.000		.	.	0.29	0.200	0.420
6	STATIC	LC	10.	6.800	14.800		.	.	0.72	0.560	0.930
7	STATIC	LC	5.2	3.900	6.900		.	.	0.34	0.260	0.430
8	STATIC	LC	.750	0.612	0.920		.	.	.64	0.530	0.774
9	STATIC	LC	3.6	.	.		.	.	3.	.	.
10	STATIC	LC	2.65	2.360	2.980		.	.		.	.
11	STATIC	LC	1.4	.	.		.	.		.	.
12	STATIC	LC	19.	13.800	26.100		.	.		.	.

SIMAZINE

CAS # 122-34-9 PRINCIPAL USE: HERBICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.10% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	44
2	80.00% WETTABLE POWDER	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	44
3	98.10% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	MATURE	.	21.0	7.4	272
4	98.10% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	15.0	7.4	44
5	98.10% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	MATURE	.	21.0	7.4	44
6	98.10% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	15.0	7.4	44
7	98.10% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.4	44
8	98.10% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	25.0	7.4	44
9	80.00% WETTABLE POWDER	FATHEAD MINNOW		0.70	25.0	7.4	44
10	4.00 % GRANULAR FORMULATION	FATHEAD MINNOW		0.70	25.0	7.4	44
11	80.00% WETTABLE POWDER	BLUEGILL		1.00	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		.	.	>10000	.	.		.	.
2	STATIC	LC		.	.	>10000	.	.		.	.
3	STATIC	LC		.	.	3700.	2600.000	5260.000		.	.
4	STATIC	LC		.	.		.	.	130000	.	.
5	STATIC	LC	>5600.	.	.		.	.		.	.
6	STATIC	LC	8400.	3400.000	20800.000		.	.	1900.	900.000	4040.000
7	STATIC	LC	>100000	.	.		.	.	>100000	.	.
8	STATIC	LC	>10000	.	.		.	.	>10000	.	.
9	STATIC	LC	510000	373000.000	698000.000		.	.	510000	373000.000	698000.000
10	STATIC	LC	7600.	6400.000	9100.000		.	.	5000.	3500.000	7150.000
11	STATIC	LC	130000	111000.000	153000.000		.	.	100000	90900.000	110000.000

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                                                                                          SODIUM ARSENITE
      CAS # 7784-46-5     PRINCIPAL USE:  HERBICIDE                                                MEASURED IN MG /L

                        CHEMICAL                                                                                        DEG.  HARDNESS
 OBS                   DESCRIPTION                      SPECIES                SIZE        WEIGHT                      CENT. PH  MG/L

   1   99.00% LIQUID                         DAPHNIA PULEX                1ST INSTAR         .                          15.0  7.4     44
   2   99.00% LIQUID                         SIMOCEPHALUS SERRULATUS      1ST INSTAR         .                          16.0  7.4     44
   3   99.00% LIQUID                         PTERONARCYS CALIFORNICA      1ST YEAR CLASS     .                          15.0  7.4     44
   4   99.00% LIQUID                         RAINBOW TROUT                                 2.60                         12.0  7.4     44
   5   99.00% LIQUID                         BLUEGILL                                      1.00                         24.0  7.4     44



 OBS   __ TEST TYPE __          ___ 24 HOUR ___                        ___ 48 HOUR ___                        ___ 96 HOUR ___
                                          CONFIDENCE  INTERVAL                 CONFIDENCE  INTERVAL                    CONFIDENCE  INTERVAL

   1   STATIC          EC                      .           .           3.0        2.200       4.100                          .           .
   2   STATIC          EC                      .           .           1.4        1.000       1.900                          .           .
   3   STATIC          LC          140.     104.000     188.000                     .           .           38.        30.000      48.000
   4   STATIC          LC           89.      70.600     112.000                     .           .           23.        13.500      39.000
   5   STATIC          LC           64.      51.200      80.000                     .           .           30.        21.300      42.300
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BEST COPY AVAILABLE

SODIUM SELENITE
MEASURED IN MG /L

CAS # 10102-18-8 PRINCIPAL USE:

BEST COPY AVAILABLE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	45.70% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.5	280
2	45.70% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	18.0	7.4	40
3	45.70% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	280
4	45.70% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.7	39
5	45.70% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	22.0	7.4	40
6	45.70% TECHNICAL MATERIAL	CHANNEL CATFISH		0.70	22.0	7.7	41

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	4.0	3.000	5.200		.	.
2	STATIC	EC		.	.	1.0	0.500	1.900		.	.
3	STATIC	EC		.	.	50.	41.000	61.000		.	.
4	STATIC	EC		.	.	36.5	25.200	52.900		.	.
5	STATIC	LC		.	.		.	.	10.0	5.900	17.000
6	STATIC	LC		.	.		.	.	6.1	4.100	9.000

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                                                                          SRCII SYNFUEL
    CAS #              PRINCIPAL USE:  SYNTHETIC PETROLEUM                           MEASURED IN MG /L

                  CHEMICAL                                                                                            DEG.  HARDNESS
 OBS             DESCRIPTION                        SPECIES              SIZE        WEIGHT                          CENT.  PH   MG/L

   1   100.0% LIQUID                        DAPHNIA MAGNA           1ST INSTAR       .                               17.0  7.2     42
   2   100.0% LIQUID                        CHIRONOMUS PLUMOSUS     3RD INSTAR       .                               22.0  7.2     42



 OBS    __ TEST TYPE __           ___ 24 HOUR ___                 ___ 48 HOUR ___                 ___ 96 HOUR ___
                                        CONFIDENCE  INTERVAL            CONFIDENCE  INTERVAL            CONFIDENCE  INTERVAL

   1   STATIC         EC                  .          .           0.43     0.340      0.530                  .          .
   2   STATIC         EC                  .          .           0.87     0.630      1.200                  .          .
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2,4,5-T BUTOXYETHANOL ESTER
MEASURED IN UG /L

CAS # 2545-59-7 PRINCIPAL USE: HERBICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	58.30% LIQUID	ASELLUS BREVICAUDUS	EARLY INSTAR	.	15.0	7.4	272
2	58.30% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	44
3	58.30% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272
4	58.30% LIQUID	PALAEMONETES KADIAKENSIS	IMMATURE	.	21.0	7.4	272
5	58.30% LIQUID	REDEAR SUNFISH		1.40	21.0	7.4	44
6	58.30% LIQUID	REDEAR SUNFISH		1.40	24.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	>3200.	.	.		.	.	>3200.	.	.
2	STATIC	LC	200.	125.000	320.000		.	.	120.	81.000	177.000
3	STATIC	LC	1200.	380.000	1800.000		.	.	250.	170.000	370.000
4	STATIC	LC	12000.	6990.000	20600.000		.	.	2700.	1860.000	3920.000
5	STATIC	LC	600.	566.000	636.000		.	.		.	.
6	STATIC	LC	530.	456.000	615.000		.	.		.	.

CAS # 2008-46-0 PRINCIPAL USE: HERBICIDE

2,4,5-T TRIETHYLAMINE SALT
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	56.70% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
2	56.70% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	17.0	7.4	44
3	56.70% TECHNICAL MATERIAL	CHANNEL CATFISH		2.00	17.0	7.4	44
4	56.70% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>10000	.	.		.	.	1000.	.	.
2	STATIC	LC	>10000	.	.		.	.	>10000	.	.
3	STATIC	LC	>10000	.	.		.	.	>10000	.	.
4	STATIC	LC	>10000	.	.		.	.	>10000	.	.

TENEPHOS

CAS # 3383-96-8 PRINCIPAL USE: INSECTICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGnT	DEG. CENT.	PH	HARDNESS MG/L
1	90.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.4	40
2	86.20% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	10.0	7.4	170
3	90.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	17.0	7.4	40
4	46.00% EMULSIFIABLE CONCENTRATE	COHO SALMON		0.90	12.0	7.4	40
5	46.00% EMULSIFIABLE CONCENTRATE	COHO SALMON		5.90	12.0	7.4	40
6	46.00% EMULSIFIABLE CONCENTRATE	COHO SALMON		11.10	12.0	7.4	40
7	46.00% EMULSIFIABLE CONCENTRATE	COHO SALMON		19.40	12.0	7.4	40
8	90.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70	12.0	7.4	162
9	90.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		2.20	12.0	7.4	162
10	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	12.0	7.4	40
11	46.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		1.20	12.0	7.4	40
12	46.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		5.30	12.0	7.4	40
13	46.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		10.00	12.0	7.4	40
14	46.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		23.50	12.0	7.4	40
15	46.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		46.00	12.0	7.4	40
16	46.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		107.00	12.0	7.4	40
17	90.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.5	40
18	90.00% TECHNICAL MATERIAL	RAINBOW TROUT	GREEN EGG	.	12.0	7.5	42
19	50.00% WETTABLE POWDER	ATLANTIC SALMON		0.48	12.0	7.5	40
20	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	7.5	40
21	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	7.5	40
22	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	8.5	40
23	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	17.0	7.5	40
24	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	7.0	7.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	0.96	0.580	1.580		.	.	0.08	0.030	0.210
2	STATIC	LC		.	.		.	.	.031	0.023	0.041
3	STATIC	LC	1.20	0.890	1.600		.	.	0.010	0.007	0.015
4	STATIC	LC	1.24	0.720	2.140		.	.	0.35	0.230	0.530
5	STATIC	LC	>2.4	.	.		.	.	1.27	0.620	2.580
6	STATIC	LC	3.35	2.610	4.310		.	.	1.64	0.950	2.820
7	STATIC	LC	2.59	1.720	3.900		.	.	1.25	0.580	2.930
8	STATIC	LC	4.13	3.420	4.980		.	.	1.27	0.870	1.860
9	FLOW THROUGH	LC	>1.4	.	.		.	.	1.00	0.890	1.120
10	STATIC	LC	13.1	4.400	38.800		.	.	3.49	2.330	5.230
11	STATIC	LC	1.42	1.030	1.960		.	.	0.16	0.100	0.240
12	STATIC	LC	1.70	0.970	2.990		.	.	1.03	0.240	4.420
13	STATIC	LC	2.79	1.410	5.520		.	.	1.30	0.640	2.650
14	STATIC	LC	3.56	2.300	5.500		.	.	0.76	0.400	1.430
15	STATIC	LC	3.62	1.500	8.710		.	.	1.50	0.910	2.500
16	STATIC	LC	2.83	0.880	9.130		.	.	1.59	0.860	2.950
17	STATIC	LC		.	.		.	.	6.8	5.590	8.270
18	STATIC	LC	>50.	.	.		.	.	>50.	.	.
19	STATIC	LC		.	.		.	.	6.7	5.650	7.940
20	STATIC	LC	18.	15.440	20.990		.	.	4.	2.790	5.740
21	STATIC	LC		.	.		.	.	21.	17.620	25.020
22	STATIC	LC		.	.		.	.	19.	16.220	22.260
23	STATIC	LC	17.2	14.480	20.430		.	.	9.	8.010	10.110
24	STATIC	LC		.	.		.	.	20.	16.450	24.320

TEMEPHOS

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	7.5	40
26	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.48	12.0	7.5	170
27	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	EYED EGG	.	7.0	7.5	42
28	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	7.5	315
29	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	6.5	40
30	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	7.5	40
31	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	8.5	40
32	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	7.5	40
33	50.00% WETTABLE POWDER	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	7.5	40
34	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	17.0	7.5	40
35	50.00% WETTABLE POWDER	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	.	40
36	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	7.0	7.5	40
37	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	8.0	300
38	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	8.0	170
39	90.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	12.0	8.0	40
40	90.00% TECHNICAL MATERIAL	BROOK TROUT		0.60	12.0	7.5	42
41	90.00% TECHNICAL MATERIAL	BROOK TROUT		1.15	12.0	7.5	40
42	50.00% WETTABLE POWDER	BROOK TROUT		1.15	12.0	7.5	40
43	90.00% TECHNICAL MATERIAL	BROOK TROUT		1.15	12.0	7.5	40
44	90.00% TECHNICAL MATERIAL	BROOK TROUT		1.15	12.0	7.5	40
45	90.00% TECHNICAL MATERIAL	BROOK TROUT	SWIMUP FRY	.	12.0	7.5	42
46	90.00% TECHNICAL MATERIAL	LAKE TROUT		2.30	10.0	6.0	40
47	90.00% TECHNICAL MATERIAL	LAKE TROUT		2.30	10.0	7.5	40
48	90.00% TECHNICAL MATERIAL	LAKE TROUT		2.30	10.0	9.0	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
25	STATIC	LC		.	.		.	.	20.	16.970	15.580
26	STATIC	LC		.	.		.	.	16.	14.000	18.284
27	STATIC	LC	>50.	.	.		.	.	>50.	.	.
28	STATIC	LC		.	.		.	.	16.	11.970	21.386
29	STATIC	LC		.	.		.	.	13.75	11.035	17.140
30	STATIC	LC		.	.		.	.	20.	15.370	26.030
31	STATIC	LC		.	.		.	.	17.3	14.370	20.830
32	STATIC	LC		.	.		.	.	12.4	10.850	14.170
33	STATIC	LC		.	.		.	.	8.2	6.930	9.709
34	STATIC	LC		.	.		.	.	8.5	6.860	10.540
35	STATIC	LC		.	.		.	.	8.3	7.370	9.350
36	STATIC	LC		.	.		.	.	13.5	11.090	16.430
37	STATIC	LC		.	.		.	.	16.	10.880	25.530
38	STATIC	LC		.	.		.	.	10.	7.830	12.780
39	STATIC	LC		.	.		.	.	9.8	6.810	14.100
40	STATIC	LC	>20.	.	.		.	.	10.	9.000	11.000
41	STATIC	LC	40.	24.800	64.520		.	.	12.8	9.750	16.800
42	STATIC	LC		.	.		.	.	5.	3.690	6.770
43	STATIC	LC		.	.		.	.	27.	20.930	34.830
44	STATIC	LC		.	.		.	.	17.	13.700	21.080
45	STATIC	LC	>20.	.	.		.	.	>20.	.	.
46	STATIC	LC	>8.70	.	.		.	.	4.80	3.530	6.540
47	STATIC	LC	>8.70	.	.		.	.	3.65	2.700	4.920
48	STATIC	LC	2.40	1.520	3.780		.	.	1.25	0.850	1.830

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TEMEPHOS

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION		SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	90.00%	TECHNICAL MATERIAL	LAKE TROUT		6.20	12.0	7.4	162
50	90.00%	TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	17.0	7.4	40
51	90.00%	TECHNICAL MATERIAL	CHANNEL CATFISH		1.00	17.0	7.4	40
52	46.00%	EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		1.90	17.0	7.4	40
53	46.00%	EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		5.00	17.0	7.4	40
54	46.00%	EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		10.90	17.0	7.4	40
55	46.00%	EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		20.00	17.0	7.4	40
56	90.00%	TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.4	40
57	46.00%	EMULSIFIABLE CONCENTRATE	BLUEGILL		1.40	17.0	7.4	40
58	46.00%	EMULSIFIABLE CONCENTRATE	BLUEGILL		4.80	17.0	7.4	40
59	46.00%	EMULSIFIABLE CONCENTRATE	BLUEGILL		20.00	17.0	7.4	40
60	46.00%	EMULSIFIABLE CONCENTRATE	LARGEMOUTH BASS		0.90	17.0	7.4	40
61	46.00%	EMULSIFIABLE CONCENTRATE	LARGEMOUTH BASS		6.10	17.0	7.4	40
62	46.00%	EMULSIFIABLE CONCENTRATE	LARGEMOUTH BASS		11.70	17.0	7.4	40
63	46.00%	EMULSIFIABLE CONCENTRATE	LARGEMOUTH BASS		19.50	17.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
49	FLOW THROUGH	LC	1.75	1.340	2.280		.	.	1.05	0.900	1.230
50	STATIC	LC	>100.	.	.		.	.	34.1	19.700	59.200
51	STATIC	LC	>10.0	.	.		.	.	>10.0	.	.
52	STATIC	LC	6.18	3.290	11.600		.	.	3.27	1.710	6.670
53	STATIC	LC	9.93	1.680	58.800		.	.	3.99	2.360	6.730
54	STATIC	LC	>18.0	.	.		.	.	10.0	8.130	12.300
55	STATIC	LC	>21.0	.	.		.	.	3.68	2.180	6.200
56	STATIC	LC	54.0	42.000	75.000		.	.	21.8	15.600	30.500
57	STATIC	LC	4.27	3.420	5.330		.	.	1.14	0.850	1.530
58	STATIC	LC	>8.7	.	.		.	.	3.18	1.710	5.880
59	STATIC	LC	11.5	8.380	15.800		.	.	1.30	0.500	3.410
60	STATIC	LC	4.21	2.130	8.330		.	.	1.44	0.920	2.250
61	STATIC	LC	9.0	7.700	10.500		.	.	4.14	2.270	7.540
62	STATIC	LC	10.1	4.400	22.900		.	.	3.06	1.910	4.900
63	STATIC	LC	12.0	10.100	14.300		.	.	2.21	1.040	4.700

CAS # 545-55-1 PRINCIPAL USE: CHEMOSTERILANT

TEPA

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	85.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	>100.0	.	.		.	.	>100.0	.	.

TEPP

CAS # 107-49-3 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	40.00% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.	21.0	7.4	44
2	40.00% LIQUID	RAINBOW TROUT		1.00	12.0	7.4	44
3	40.00% LIQUID	FATHEAD MINNOW		0.60	18.0	7.4	44
4	40.00% LIQUID	BLUEGILL		1.30	18.0	7.4	44
5	40.00% LIQUID	BLUEGILL		0.30	24.0	7.4	44
6	40.00% LIQUID	BLUEGILL		0.80	24.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	74.	57.000	96.000		.	.	39.	27.000	57.000
2	STATIC	LC	1200.	785.000	1834.000		.	.	700.	500.000	980.000
3	STATIC	LC	460.	368.000	576.000		.	.	240.	144.000	401.000
4	STATIC	LC	3000.	2878.000	3127.000		.	.	3000.	2878.000	3127.000
5	STATIC	LC	740.	611.000	896.000		.	.	520.	452.000	598.000
6	STATIC	LC	770.	614.000	966.000		.	.	640.	537.000	762.000

TERBUFOS

CAS # 13071-79-9 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	88.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	44
2	88.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	44
3	88.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.4	44
4	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.3	40
5	15.00% GRANULAR FORMULATION	RAINBOW TROUT		1.10	12.0	7.3	40
6	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.75	7.0	7.0	40
7	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.75	12.0	7.0	40
8	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.75	17.0	7.0	40
9	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	6.5	40
10	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.5	40
11	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	8.5	40
12	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	8.2	40
13	88.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	8.2	320
14	88.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	22.0	7.2	44
15	15.00% GRANULAR FORMULATION	FATHEAD MINNOW		0.80	22.0	7.2	44
16	15.00% GRANULAR FORMULATION	CHANNEL CATFISH		1.30	22.0	7.1	40
17	88.00% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.1	43
18	15.00% GRANULAR FORMULATION	BLUEGILL		0.60	22.0	7.1	43
19	88.00% TECHNICAL MATERIAL	BLUEGILL		0.70	12.0	7.1	45
20	88.00% TECHNICAL MATERIAL	BLUEGILL		0.70	17.0	7.1	45
21	88.00% TECHNICAL MATERIAL	BLUEGILL		0.70	22.0	7.1	45
22	88.00% TECHNICAL MATERIAL	BLUEGILL		0.75	22.0	6.5	41
23	88.00% TECHNICAL MATERIAL	BLUEGILL		0.75	22.0	7.5	41
24	88.00% TECHNICAL MATERIAL	BLUEGILL		0.75	22.0	8.5	41

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.4	0.300	0.500		.	.
2	STATIC	LC		.	.		.	.	0.2	0.100	0.300
3	STATIC	EC		.	.	1.4	1.000	2.000		.	.
4	STATIC	LC	24.	18.000	32.000		.	.	10.	7.300	13.800
5	STATIC	LC	23.0	17.200	30.700		.	.	8.8	6.400	12.100
6	STATIC	LC	70.0	53.400	91.700		.	.	13.0	10.200	16.600
7	STATIC	LC	30.0	21.200	42.400		.	.	7.6	6.000	9.700
8	STATIC	LC	24.0	19.800	29.100		.	.	8.4	6.400	11.000
9	STATIC	LC	24.0	18.000	32.000		.	.	10.0	7.300	13.600
10	STATIC	LC	32.0	23.200	44.200		.	.	13.2	9.900	17.500
11	STATIC	LC	41.0	30.900	54.500		.	.	15.3	11.500	20.300
12	STATIC	LC	27.5	20.000	37.800		.	.	8.6	6.000	12.300
13	STATIC	LC	29.0	20.300	41.400		.	.	11.5	8.000	16.600
14	STATIC	LC	390.	237.000	643.000		.	.	390.	237.000	643.000
15	STATIC	LC	210.	145.000	304.000		.	.	150.	101.000	223.000
16	STATIC	LC	1800.	1230.000	2640.000		.	.	1800.	1230.000	2640.000
17	STATIC	LC	4.8	3.600	6.300		.	.	1.7	1.200	2.400
18	STATIC	LC	3.1	2.300	4.200		.	.	1.7	1.200	2.400
19	STATIC	LC	4.4	3.400	5.700		.	.	2.4	1.800	3.200
20	STATIC	LC	2.9	2.100	4.000		.	.	2.0	1.400	2.900
21	STATIC	LC	2.0	1.500	2.900		.	.	1.6	1.100	2.200
22	STATIC	LC	3.2	2.300	4.400		.	.	1.5	1.100	2.000
23	STATIC	LC	3.2	2.300	4.400		.	.	1.8	1.300	2.500
24	STATIC	LC	3.1	2.100	4.500		.	.	1.5	0.900	2.200

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                                                                                          TERBUFOS
                                                                                                   MEASURED IN UG /L

                         CHEMICAL                                                                                                          DEG.  HARDNESS
 OBS                   DESCRIPTION                      SPECIES                SIZE          WEIGHT                                        CENT.  PH   MG/L

  25   88.00% TECHNICAL MATERIAL            BLUEGILL                                        0.75                                         22.0  7.5     44
  26   88.00% TECHNICAL MATERIAL            BLUEGILL                                        0.75                                         22.0  8.3    320




        __ TEST TYPE __                  ___ 24 HOUR ___                  ___ 48 HOUR ___                  ___ 96 HOUR ___
 OBS                                          CONFIDENCE  INTERVAL              CONFIDENCE  INTEPVAL              CONFIDENCE  INTERVAL

  25   STATIC          LC             2.5        1.600       3.900                  .           .         1.5        1.000       2.100
  26   STATIC          LC             2.4        1.600       3.600                  .           .         1.1        0.800       1.600
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TERBUTRYN

CAS # 886-50-0 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	80.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	13.0	7.1	44
2	80.00% TECHNICAL MATERIAL	BLUEGILL		1.30	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	2.65	1.910	3.690		.	.	0.82	0.560	1.200
2	STATIC	LC	4.37	2.590	7.370		.	.	2.72	1.390	5.280

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TERPENE POLYCHLORINATES
MEASURED IN UG /L

CAS # 8001-50-1 PRINCIPAL USE: INSECTICIDE

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.4	44
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
3	100.0% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.4	44
4	100.0% TECHNICAL MATERIAL	BLUEGILL		0.90	24.0	7.4	44

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OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	40.	26.000	60.000	7.	4.400	11.000	.5	0.310	0.810
2	STATIC	LC	23.	17.000	29.000		.	.	12.	9.000	14.000
3	STATIC	LC	26.	21.000	32.000		.	.	12.	10.000	15.000
4	STATIC	LC	13.8	11.500	16.600		.	.	8.7	7.400	10.200

CAS # 25167-83-3 PRINCIPAL USE: WOOD PRESERVATIVE

2,3,4,6-TETRACHLOROPHENOL
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	74.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.5	44
2	74.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	12.0	7.2	44
3	74.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	22.0	7.4	40
4	74.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.58	22.0	7.0	40
5	74.00% TECHNICAL MATERIAL	BLUEGILL		0.30	22.0	7.5	38

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	0.50	0.300	0.700		.	.
2	STATIC	LC	0.1	0.080	0.120				0.085	0.068	0.105
3	STATIC	LC	0.27	0.210	0.350		.	.	0.17	0.120	0.230
4	STATIC	LC	0.14	0.120	0.170		.	.	0.14	0.120	0.170
5	STATIC	LC	0.12	0.090	0.160		.	.	0.10	0.070	0.140

TETRACHLORVINPHOS

CAS # 961-11-5 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	75.00% WETTABLE POWDER	RAINBOW TROUT		0.80	13.0	7.1	44
2	94.00% TECHNICAL MATERIAL	CHANNEL CATFISH		2.00	18.0	7.4	272
3	94.00% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.1	44
4	94.00% TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.4	272

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	860.	627.000	1179.000		.	.	430.	332.000	557.000
2	FLOW THROUGH	LC	>1000.	.	.		.	.	>500.	.	.
3	STATIC	LC	2380.	1790.000	3170.000		.	.	529.	362.000	773.000
4	STATIC	LC	3050.	2526.000	3683.000		.	.	1040.	810.000	1335.000

TETRADIFON

CAS # 116-29-0 PRINCIPAL USE: ACARICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	21.0	7.4	44
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.4	272
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	12.0	7.4	44
4	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.30	18.0	7.4	44
5	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	370.	280.000	500.000		.	.	111.	82.000	150.000
2	STATIC	LC	1350.	1050.000	1750.000		.	.	1350.	1050.000	1750.000
3	STATIC	LC	1290.	993.000	1680.000		.	.	1200.	949.000	1600.000
4	STATIC	LC	2500.	1460.000	4270.000		.	.	2100.	1150.000	3830.000
5	STATIC	LC	950.	668.000	1350.000		.	.	880.	664.000	1166.000

TETRAMINE

CAS # 80-12-6 PRINCIPAL USE: RODENTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	21.0	7.4	44
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		2.00	12.0	7.4	44
3	100.0% TECHNICAL MATERIAL	BLUEGILL		1.30	18.0	7.4	44

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OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	70.	56.000	88.000		.	.	18.	12.000	26.000
2	STATIC	LC	65.	53.000	80.000		.	.	56.	51.000	62.000
3	STATIC	LC	89.	78.000	101.000		.	.	89.	78.000	101.000

TETRASUL

CAS # 2227-13-6 PRINCIPAL USE: ACARICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	66000.	.	.		.	.	11000.	.	.

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TFM

CAS # 654-66-0 PRINCIPAL USE: LAMPRICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	21.0	7.4	272
2	35.70% LIQUID	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	21.0	7.4	272
3	95.00% TECHNICAL MATERIAL	ORCONECTES NAIS	EARLY INSTAR	.	21.0	7.4	44
4	35.70% LIQUID	ISCHNURA VERTICALIS	EARLY INSTAR	.	21.0	7.4	272
5	35.70% LIQUID	BROOK TROUT		212.00	12.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	28.2	23.200	34.200		.	.	22.3	16.000	31.400
2	STATIC	LC	100.	83.000	130.000		.	.	57.	47.000	69.000
3	STATIC	LC	18.5	14.900	22.900		.	.	17.8	14.900	21.200
4	STATIC	LC	>32.	.	.		.	.	>32.	.	.
5	FLOW THROUGH	LC	8.	7.060	9.070		.	.	6.9	5.550	8.570

TH 285-N

CAS #   PRINCIPAL USE: NEMATICIDE   MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.4	262
2	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	18.0	7.4	262

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>10000	.	.		.	.	>10000	.	.
2	STATIC	LC	>10000	.	.		.	.	>10000	.	.

TH 336-N

CAS #　　PRINCIPAL USE: NEMATICIDE　　MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.70	12.0	7.4	262
2	100.0% TECHNICAL MATERIAL	BLUEGILL		0.70	18.0	7.4	262

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>10000	.	.		.	.	>10000	.	.
2	STATIC	LC	>10000	.	.		.	.	>10000	.	.

THANITE

CAS # 115-31-1   PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	82.00% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	44
2	82.00% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272
3	82.00% LIQUID	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	44
4	82.00% LIQUID	CUTTHROAT TROUT		0.30	12.0	7.4	162
5	82.00% LIQUID	CUTTHROAT TROUT		3.40	12.0	7.4	162
6	82.00% LIQUID	LAKE TROUT		0.30	12.0	7.4	162
7	82.00% LIQUID	LAKE TROUT		4.20	12.0	7.4	162

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	115.	79.000	168.000		.	.
2	STATIC	LC	1450.	1160.000	1812.000		.	.	690.	546.000	872.000
3	STATIC	LC		.	.		.	.	740.	451.000	1214.000
4	STATIC	LC	255.	222.000	293.000		.	.	160.	142.000	180.000
5	STATIC	LC	280.	231.000	340.000		.	.	255.	210.000	310.000
6	STATIC	LC	190.	167.000	217.000		.	.	109.	90.000	132.000
7	STATIC	LC	175.	135.000	228.000		.	.	123.	101.000	150.000

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TOLUENE

CAS # 108-88-3 PRINCIPAL USE: SOLVENT

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	RAINBOW TROUT		2.40	12.0	7.4	44
2	100.0% LIQUID	CHANNEL CATFISH		0.10	22.0	7.4	44
3	100.0% LIQUID	BLUEGILL		0.10	17.0	7.4	44
4	100.0% LIQUID	BLUEGILL		0.10	27.0	7.4	44
5	100.0% LIQUID	BLUEGILL		0.20	19.0	6.5	44
6	100.0% LIQUID	BLUEGILL		0.20	19.0	7.5	44
7	100.0% LIQUID	BLUEGILL		0.20	19.0	8.5	44
8	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	12
9	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	44
10	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	162
11	100.0% LIQUID	BLUEGILL		0.50	17.0	8.0	300

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	24000.	17600.000	32600.000		.	.	24000.	17600.000	32600.000
2	STATIC	LC	240000	187000.000	309000.000		.	.	240000	187000.000	309000.000
3	STATIC	LC	195000	144000.000	265000.000		.	.	170000	139000.000	208000.000
4	STATIC	LC	116000	94000.000	143000.000		.	.	84000.	57000.000	124000.000
5	STATIC	LC	540000	375000.000	777000.000		.	.	340000	279000.000	415000.000
6	STATIC	LC	600000	314000.000	1145000.000		.	.	320000	273000.000	375000.000
7	STATIC	LC	510000	323000.000	805000.000		.	.	300000	245000.000	367000.000
8	STATIC	LC	305000	257000.000	362000.000		.	.	240000	201000.000	287000.000
9	STATIC	LC	153000	116000.000	201000.000		.	.	135000	113000.000	162000.000
10	STATIC	LC	100000	74000.000	134000.000		.	.	74000.	62000.000	89000.000
11	STATIC	LC	170000	142000.000	203000.000		.	.	135000	113000.000	162000.000

TOXAPHENE

CAS # 8001-35-2 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	44
2	100.0% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	15.0	7.4	44
3	100.0% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	15.0	7.4	44
4	100.0% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.4	44
5	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272
6	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	21.0	7.4	44
7	100.0% TECHNICAL MATERIAL	CLAASSENIA SABULOSA	1ST YEAR CLASS	.	15.0	7.4	44
8	100.0% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	16.0	7.4	44
9	100.0% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	1ST YEAR CLASS	.	15.0	7.4	44
10	100.0% TECHNICAL MATERIAL	ATHERIX VARIEGATA	EARLY INSTAR	.	15.0	7.4	44
11	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	1ST INSTAR	.	15.0	7.4	44
12	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	1ST INSTAR	.	20.0	7.4	44
13	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	1ST INSTAR	.	25.0	7.4	44
14	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	1ST INSTAR	.	20.0	8.5	44
15	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	1ST INSTAR	.	20.0	8.0	12
16	100.0% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	1ST INSTAR	.	20.0	8.0	44
17	100.0% TECHNICAL MATERIAL	TIPULA SP.	EARLY INSTAR	.	15.0	7.4	44
18	100.0% TECHNICAL MATERIAL	COHO SALMON		1.00	12.0	7.4	44
19	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	12.0	7.4	44
20	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	12.0	7.4	272
21	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	7.0	7.4	44
22	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	12.0	7.4	44
23	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	18.0	7.4	44
24	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	10.	6.800	14.700		.	.
2	STATIC	EC	23.	15.400	34.300	14.2	10.500	19.100		.	.
3	STATIC	EC	76.0	34.500	167.200	19.	12.200	29.500		.	.
4	STATIC	EC	>10.	.	.	10.	7.040	14.200		.	.
5	STATIC	LC	47.0	28.700	77.000		.	.	6.0	1.700	21.700
6	STATIC	LC	150.	96.800	232.000		.	.	26.	18.900	35.700
7	STATIC	LC	6.	4.600	7.900		.	.	1.3	1.000	1.600
8	STATIC	LC	13.	.	.		.	.	1.8	.	.
9	STATIC	LC	18.	12.000	27.000		.	.	2.3	1.300	4.000
10	STATIC	LC		.	.		.	.	40.	26.800	59.800
11	STATIC	LC	>32.	.	.		.	.	30.	16.000	56.400
12	STATIC	LC	>32.	.	.		.	.	>32.	.	.
13	STATIC	LC	>32.	.	.		.	.	17.	9.290	31.100
14	STATIC	LC	>32.	.	.		.	.	24.	13.900	41.500
15	STATIC	LC	>32.	.	.		.	.	>32.	.	.
16	STATIC	LC	>32.	.	.		.	.	50.	22.400	112.000
17	STATIC	LC	>56.	.	.		.	.	18.	12.800	25.400
18	STATIC	LC	17.	12.000	25.000		.	.	8.	6.000	10.000
19	STATIC	LC	18.6	13.600	25.300		.	.	10.6	7.900	12.700
20	STATIC	LC	19.7	10.800	35.900		.	.	12.0	9.100	15.800
21	STATIC	LC	16.	.	.		.	.	3.4	.	.
22	STATIC	LC	7.6	.	.		.	.	2.7	.	.
23	STATIC	LC	5.0	.	.		.	.	1.8	.	.
24	STATIC	LC	19.	7.000	54.000		.	.	9.	7.000	11.000

TOXAPHENE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
25	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	40
26	100.0% TECHNICAL MATERIAL	BROWN TROUT		1.70	17.0	7.4	44
27	100.0% TECHNICAL MATERIAL	BROOK TROUT		133.00	10.0	7.4	272
28	100.0% TECHNICAL MATERIAL	BROOK TROUT		9.20	12.0	7.4	272
29	100.0% TECHNICAL MATERIAL	BROOK TROUT	FINGERLING	.	12.0	7.4	272
30	100.0% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.4	272
31	100.0% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.4	44
32	100.0% TECHNICAL MATERIAL	CARP		0.60	18.0	7.4	44
33	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		1.10	20.0	7.4	44
34	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.4	272
35	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	18.0	7.4	44
36	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	25.0	7.4	44
37	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.80	20.0	7.4	44
38	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.60	20.0	7.4	44
39	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		1.30	20.0	7.4	272
40	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		1.30	25.0	7.4	272
41	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		2.00	25.0	7.4	272
42	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.30	25.0	7.4	272
43	100.0% TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	18.0	7.4	44
44	100.0% TECHNICAL MATERIAL	BLACK BULLHEAD		0.90	24.0	7.4	44
45	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.4	272
46	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.50	18.0	7.4	44
47	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.20	15.0	7.4	44
48	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.20	20.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
25	STATIC	LC	13.5	10.200	18.000		.	.	6.7	4.500	9.900
26	STATIC	LC	>14.0	.	.		.	.	3.1	2.100	4.700
27	FLOW THROUGH	LC	>12.0	.	.		.	.	10.8	9.110	12.800
28	FLOW THROUGH	LC	11.2	7.870	16.000		.	.	3.39	2.620	4.400
29	FLOW THROUGH	LC	13.5	12.200	15.000		.	.	3.6	2.880	4.500
30	STATIC	LC	18.	12.000	28.000		.	.	14.	11.000	19.000
31	STATIC	LC	26.	18.000	37.000		.	.	14.	11.000	19.000
32	STATIC	LC	7.1	5.800	8.700		.	.	3.7	2.800	4.700
33	STATIC	LC	21.	17.000	25.000		.	.	18.	12.000	27.000
34	STATIC	LC	20.8	13.800	31.300		.	.	16.4	10.200	21.800
35	STATIC	LC	20.	13.000	31.000		.	.	14.	9.000	22.000
36	STATIC	LC	23.	18.000	29.000		.	.	23.	18.000	29.000
37	STATIC	LC	24.	20.000	28.000		.	.	20.	15.000	27.000
38	STATIC	LC	22.	14.000	34.000		.	.	18.	14.000	24.000
39	FLOW THROUGH	LC	22.	14.700	32.900		.	.	7.0	6.300	7.700
40	FLOW THROUGH	LC		.	.		.	.	5.6	3.900	8.000
41	FLOW THROUGH	LC	15.	12.500	18.100		.	.	6.9	6.400	7.400
42	FLOW THROUGH	LC	17.4	14.800	20.400		.	.	7.20	6.110	8.480
43	STATIC	LC	8.5	5.800	12.400		.	.	5.0	3.700	6.500
44	STATIC	LC	7.7	6.900	8.500		.	.	5.8	5.100	6.600
45	STATIC	LC	15.	12.000	19.000		.	.	10.1	7.000	14.600
46	STATIC	LC	17.7	11.400	27.400		.	.	13.1	9.800	17.500
47	STATIC	LC	12.5	9.680	16.100		.	.	4.7	3.240	6.800
48	STATIC	LC	7.8	6.330	9.600		.	.	4.2	2.910	6.040

TOXAPHENE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.20	25.0	7.4	44
50	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.30	20.0	6.5	44
51	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.30	20.0	7.5	44
52	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.30	20.0	8.5	44
53	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.30	20.0	8.0	12
54	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.30	20.0	8.0	44
55	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.30	20.0	8.0	170
56	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.30	20.0	8.0	300
57	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		4.80	20.0	7.4	272
58	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.10	20.0	7.4	272
59	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		2.60	25.0	7.4	272
60	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.30	20.0	6.5	40
61	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		0.30	20.0	7.5	40
62	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		150.00	25.0	7.4	270
63	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		2.90	25.0	7.4	270
64	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH	FINGERLING	.	20.0	7.4	44
65	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH	SWIMUP FRY	.	20.0	7.4	44
66	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH	SWIMUP FRY	.	25.0	7.4	272
67	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	20.0	7.4	44
68	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	20.0	7.4	40
69	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	20.0	7.4	40
70	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH	YOLK-SAC FRY	.	20.0	7.4	40
71	100.0% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.4	272
72	100.0% TECHNICAL MATERIAL	GREEN SUNFISH		1.10	18.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
49	STATIC	LC	6.4	4.890	8.360		.	.	3.7	2.270	6.010
50	STATIC	LC	6.2	3.900	10.000		.	.	2.7	1.900	3.800
51	STATIC	LC	7.9	5.900	10.500		.	.	3.4	2.500	4.600
52	STATIC	LC	7.5	6.300	9.000		.	.	3.0	2.100	4.300
53	STATIC	LC	5.6	4.200	7.500		.	.	3.9	3.100	4.800
54	STATIC	LC	6.7	5.200	8.600		.	.	3.2	2.300	4.400
55	STATIC	LC	6.1	4.600	8.000		.	.	3.9	3.000	5.100
56	STATIC	LC	7.3	5.800	9.300		.	.	4.7	3.700	5.900
57	FLOW THROUGH	LC	>5.00	.	.		.	.	5.50	4.900	6.180
58	FLOW THROUGH	LC	4.6	4.060	5.220		.	.	<2.6	.	.
59	FLOW THROUGH	LC	11.2	9.780	12.800		.	.	6.10	5.480	6.790
60	STATIC	LC	7.8	5.800	10.400		.	.	7.8	6.200	9.800
61	STATIC	LC	5.8	4.400	7.600		.	.	3.2	2.300	4.300
62	FLOW THROUGH	LC		.	.		.	.	7.5	6.000	9.400
63	FLOW THROUGH	LC		.	.		.	.	4.75	4.140	5.450
64	STATIC	LC	7.0	5.400	9.100		.	.	2.8	2.000	4.000
65	STATIC	LC	4.0	3.200	5.000		.	.	0.82	0.560	1.190
66	FLOW THROUGH	LC	13.0	9.830	17.200		.	.	2.4	1.900	3.000
67	STATIC	LC	>56.	.	.		.	.	8.0	6.030	10.600
68	STATIC	LC	2.5	2.000	3.100		.	.	1.0	0.850	1.200
69	STATIC	LC	>5.6	.	.		.	.	2.1	1.570	2.800
70	STATIC	LC	>10.	.	.		.	.	6.6	5.100	8.500
71	STATIC	LC	25.	16.000	39.000		.	.	11.	8.000	17.000
72	STATIC	LC	24.	18.000	31.000		.	.	13.	8.000	17.000

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TOXAPHENE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
73	100.0% TECHNICAL MATERIAL	BLUEGILL		1.50	18.0	7.4	44
74	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.4	44
75	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.4	272
76	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	7.4	44
77	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.4	44
78	100.0% TECHNICAL MATERIAL	BLUEGILL		1.40	21.0	7.4	272
79	100.0% TECHNICAL MATERIAL	BLUEGILL		1.60	25.0	7.4	272
80	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	7.0	7.4	40
81	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	7.4	40
82	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	7.0	7.4	40
83	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	13.0	7.4	40
84	100.0% TECHNICAL MATERIAL	BLUEGILL		0.80	18.0	7.4	40
85	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.4	272
86	100.0% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.90	18.0	7.4	44
87	100.0% TECHNICAL MATERIAL	YELLOW PERCH		1.40	18.5	7.4	44
88	100.0% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	15.0	7.4	44
89	100.0% TECHNICAL MATERIAL	WESTERN CHORUS FROG	TADPOLE	.	15.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
73	STATIC	LC	12.	9.000	14.000		.	.	7.3	4.900	10.700
74	STATIC	LC	25.	17.000	34.000		.	.	18.	10.000	30.000
75	STATIC	LC	17.	11.000	25.000		.	.	10.	7.000	13.000
76	STATIC	LC	9.9	8.300	12.000		.	.	3.3	2.900	3.700
77	STATIC	LC	6.5	5.600	7.500		.	.	2.4	2.000	2.800
78	FLOW THROUGH	LC	>3.0	.	.		.	.	>3.0	.	.
79	FLOW THROUGH	LC	8.30	7.300	9.430		.	.	3.37	3.000	3.780
80	STATIC	LC	36.	30.000	42.000		.	.	4.5	3.800	5.300
81	STATIC	LC	9.9	8.300	12.000		.	.	3.3	2.900	3.700
82	STATIC	LC	35.	30.000	41.000		.	.	4.1	3.600	4.700
83	STATIC	LC	9.7	8.400	11.000		.	.	3.2	2.800	3.700
84	STATIC	LC	6.8	6.200	7.500		.	.	2.6	2.200	3.000
85	STATIC	LC	5.6	4.840	6.480		.	.	2.1	1.920	2.300
86	STATIC	LC	13.	10.000	16.000		.	.	2.	1.300	3.200
87	STATIC	LC	18.	15.000	22.000		.	.	12.	9.000	14.000
88	STATIC	LC	560.	420.000	747.000		.	.	150.	116.000	194.000
89	STATIC	LC	5600.	4700.000	6670.000		.	.	390.	297.000	511.000

TRANID

CAS # 15271-41-7   PRINCIPAL USE: ACARICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.4	44
2	100.0% TECHNICAL MATERIAL	BLUEGILL		1.30	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	25.	19.000	34.000		.	.	13.	11.000	16.000
2	STATIC	LC	>10000	.	.		.	.	4.200	2.760	6.400

TREFMID

CAS #　　PRINCIPAL USE: HERBICIDE　　MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	50.00% WETTABLE POWDER	RAINBOW TROUT		1.30	12.0	7.4	44
2	50.00% WETTABLE POWDER	BLUEGILL		1.00	24.0	7.4	44
3	50.00% WETTABLE POWDER	BLUEGILL		1.30	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	260.	206.000	328.000		.	.	130.	92.000	183.000
2	STATIC	LC	>750.	.	.		.	.	350.	280.000	434.000
3	STATIC	LC	300.	233.000	386.000		.	.	300.	234.000	385.000

TRETOLITE J-146

CAS # PRINCIPAL USE: OIL DEMULSIFIER

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	PTERONARCELLA BADIA	1ST YEAR CLASS	0.10	10.0	7.4	44
2	100.0% LIQUID	CUTTHROAT TROUT		0.60	10.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>60.	.	.		.	.	61.	36.600	102.000
2	STATIC	LC	5.4	2.700	10.500		.	.	1.4	1.100	1.900

TRETOLITE JN-9045
MEASURED IN UG /L

CAS #   PRINCIPAL USE: OIL DEMULSIFIER

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	CUTTHROAT TROUT		0.50	10.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC		.	.		.	.	357.	257.000	496.000

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                                                                                   TRETOLITE JW-8226
     CAS #               PRINCIPAL USE:  OIL DEMULSIFIER                                     MEASURED IN UG /L

                      CHEMICAL                                                                                                 DEG.  HARDNESS
 OBS                DESCRIPTION                     SPECIES               SIZE        WEIGHT                                   CENT.  PH   MG/L

   1  100.0% LIQUID                         CUTTHROAT TROUT                           0.50                                    10.0  7.4     44
   2  100.0% LIQUID                         CUTTHROAT TROUT                           0.10                                    10.0  7.4    162
   3  100.0% LIQUID                         CUTTHROAT TROUT                           0.90                                    10.0  7.2    170
   4  100.0% LIQUID                         CUTTHROAT TROUT                           0.60                                     5.0  7.5     38
   5  100.0% LIQUID                         CUTTHROAT TROUT                           0.70                                     5.0  7.5     38
   6  100.0% LIQUID                         CUTTHROAT TROUT     EYED EGG                .                                     10.0  7.2    170
   7  100.0% LIQUID                         CUTTHROAT TROUT     YOLK-SAC FRY            .                                     10.0  7.2    170


      __ TEST TYPE __              ___ 24 HOUR ___                        ___ 48 HOUR ___                        ___ 96 HOUR ___
 OBS                                       CONFIDENCE  INTERVAL                   CONFIDENCE  INTERVAL                   CONFIDENCE  INTERVAL

   1  STATIC        LC                           .           .                          .           .        358.     261.000      491.000
   2  STATIC        LC              1550.    1280.000    1880.000                       .           .                    .            .
   3  STATIC        LC                           .           .                          .           .       1190.     977.000     1450.000
   4  STATIC        LC                           .           .                          .           .        460.     394.000      538.000
   5  STATIC        LC               460.     360.000     588.000                       .           .        350.     259.000      473.000
   6  STATIC        LC                           .           .                          .           .         48.      37.000       63.000
   7  STATIC        LC                           .           .                          .           .       2880.    2479.000     3345.000
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TRIALLATE

CAS # 2303-17-5 PRINCIPAL USE: HERBICIDE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.30% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.3	39
2	46.30% EMULSIFIABLE CONCENTRATE	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.2	43
3	95.30% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	40
4	95.30% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	12.0	7.6	40
5	46.30% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.30	12.0	7.6	40
6	95.30% TECHNICAL MATERIAL	CHANNEL CATFISH		0.60	22.0	7.0	40
7	46.30% EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		0.60	22.0	7.0	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	0.08	0.060	0.100		.	.
2	STATIC	LC		.	.	0.057	0.048	0.067		.	.
3	STATIC	LC		.	.		.	.	0.49	0.360	0.670
4	STATIC	LC	1.3	1.000	1.700		.	.	0.62	0.440	0.870
5	STATIC	LC	1.3	1.000	1.600		.	.	1.0	0.700	1.400
6	STATIC	LC	2.5	1.900	3.300		.	.	1.7	1.100	2.500
7	STATIC	LC	1.8	1.300	2.500		.	.	1.1	0.800	1.600

TRICHLORFON

CAS # 52-68-6 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	DAPHNIA PULEX	1ST INSTAR	.	16.0	7.1	40
2	98.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	16.0	7.1	40
3	98.00% TECHNICAL MATERIAL	SIMOCEPHALUS SERRULATUS	1ST INSTAR	.	21.0	7.1	40
4	98.00% TECHNICAL MATERIAL	GAMMARUS LACUSTRIS	MATURE	.	21.0	7.1	40
5	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.5	40
6	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	7.5	40
7	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	8.5	40
8	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	8.5	320
9	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	12.0	8.0	320
10	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	7.0	7.5	40
11	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	40
12	98.00% TECHNICAL MATERIAL	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	320
13	80.00% WETTABLE POWDER	GAMMARUS PSEUDOLIMNAEUS	MATURE	.	17.0	7.4	40
14	98.00% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	12.0	7.5	42
15	98.00% TECHNICAL MATERIAL	PROCAMBARUS SP.	IMMATURE	.	12.0	7.5	40
16	98.00% TECHNICAL MATERIAL	CLAASSENIA SABULOSA	1ST YEAR CLASS	.	16.0	7.1	40
17	98.00% TECHNICAL MATERIAL	ISOGENUS SP.	1ST YEAR CLASS	.	7.0	7.0	42
18	80.00% WETTABLE POWDER	ISOGENUS SP.	1ST YEAR CLASS	.	7.0	7.5	42
19	98.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	16.0	7.1	40
20	98.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	6.5	40
21	98.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	7.5	40
22	98.00% TECHNICAL MATERIAL	PTERONARCELLA BADIA	1ST YEAR CLASS	.	12.0	8.5	40
23	98.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	16.0	7.1	40
24	98.00% TECHNICAL MATERIAL	COHO SALMON		5.00	12.0	7.5	314

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	0.18	0.130	0.250		.	.
2	STATIC	EC		.	.	0.70	0.560	0.870		.	.
3	STATIC	EC		.	.	0.32	0.200	0.510		.	.
4	STATIC	LC	92.	68.000	125.000		.	.	40.	26.000	60.000
5	STATIC	LC	660.	510.000	854.000		.	.	108.	70.400	166.000
6	STATIC	LC		.	.		.	.	275.	189.000	399.000
7	STATIC	LC	170.	113.000	256.000		.	.	90.	66.000	122.000
8	STATIC	LC	142.	100.000	200.000		.	.	108.	76.000	154.000
9	STATIC	LC		.	.		.	.	119.	75.000	189.000
10	STATIC	LC	>40.	.	.		.	.	>40.	.	.
11	STATIC	LC	112.	76.000	164.000		.	.	43.	29.000	65.000
12	STATIC	LC	75.	55.000	102.000		.	.	32.	23.000	45.000
13	STATIC	LC		.	.		.	.	17.	11.000	25.000
14	STATIC	LC	>15000	.	.		.	.	7800.	6520.000	9330.000
15	STATIC	LC		.	.		.	.	13300.	11100.000	15900.000
16	STATIC	LC	110.	76.000	159.000		.	.	22.	16.000	29.000
17	STATIC	LC	>100.	.	.		.	.	24.	17.000	32.000
18	STATIC	LC	>50.	.	.		.	.	12.	8.900	15.000
19	STATIC	LC	50.	39.000	64.000		.	.	11.	7.600	16.000
20	STATIC	LC	>160.	.	.		.	.	100.	73.000	137.000
21	STATIC	LC	>60.	.	.		.	.	9.8	8.300	12.000
22	STATIC	LC	>10.	.	.		.	.	5.3	3.900	7.100
23	STATIC	LC	320.	200.000	512.000		.	.	35.	22.000	55.000
24	FLOW THROUGH	LC	>4110.	.	.		.	.		.	.

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TRICHLORFON
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT		DEG. CENT.	PH	HARDNESS MG/L
25	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60		12.0	7.5	44
26	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		3.20		12.0	7.3	42
27	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60		7.0	7.5	44
28	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60		12.0	7.5	44
29	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70		12.0	6.5	44
30	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60		12.0	8.5	44
31	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.70		12.0	7.8	40
32	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.80		12.0	7.8	320
33	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.5	40
34	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.5	40
35	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.5	40
36	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.5	40
37	80.00% WETTABLE POWDER	CUTTHROAT TROUT		0.90		12.0	7.5	42
38	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.0	35
39	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.4	40
40	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.30		12.0	7.3	40
41	98.00% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.50		12.0	7.5	40
42	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50		12.0	7.5	44
43	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.30	STEELHEAD STRAIN	12.0	7.5	44
44	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80		7.0	6.5	44
45	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80		7.0	7.5	44
46	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80		7.0	8.5	44
47	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80		7.0	9.0	44
48	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80		12.0	6.5	44

OBS	__ TEST TYPE __		___ 24 HOUR ___	CONFIDENCE	INTERVAL	___ 48 HOUR ___	CONFIDENCE	INTERVAL	___ 96 HOUR ___	CONFIDENCE	INTERVAL
25	STATIC	LC	>6000.	.	.		.	.	2700.	1920.000	3800.000
26	STATIC	LC	15800.	9980.000	25000.000		.	.	6800.	4770.000	9680.000
27	STATIC	LC	>10000	.	.		.	.	5750.	4910.000	6740.000
28	STATIC	LC	>10000	.	.		.	.	1680.	1430.000	1980.000
29	STATIC	LC	>6000.	.	.		.	.	4750.	3840.000	5870.000
30	STATIC	LC	1600.	1130.000	2270.000		.	.	375.	310.000	454.000
31	STATIC	LC	>1300.	.	.		.	.	570.	451.000	720.000
32	STATIC	LC	>780.	.	.		.	.	620.	493.000	779.000
33	0 DAY DEGRA	LC	>6000.	.	.		.	.	1730.	1400.000	2140.000
34	7 DAY DEGRA	LC	1440.	1060.000	1960.000		.	.	470.	349.000	633.000
35	14 DAY DEGRA	LC	1420.	1040.000	1940.000		.	.	170.	128.000	227.000
36	21 DAY DEGRA	LC	2150.	139.000	3320.000		.	.	340.	267.000	432.000
37	STATIC	LC	>6000.	.	.		.	.	3250.	2740.000	3860.000
38	STATIC	LC		.	.		.	.	5220.	4140.000	6590.000
39	STATIC	LC		.	.		.	.	4400.	3500.000	5540.000
40	STATIC	LC	11700.	8770.000	15700.000		.	.	6170.	4200.000	9050.000
41	STATIC	LC	>6000.	.	.		.	.	1080.	881.000	1320.000
42	STATIC	LC	>12000	.	.		.	.	1750.	1250.000	2460.000
43	STATIC	LC	>7000.	.	.		.	.	1410.	1190.000	1680.000
44	STATIC	LC	12000.	10000.000	14400.000		.	.	11400.	10510.000	12370.000
45	STATIC	LC	>15000	.	.		.	.	1775.	1200.000	2630.000
46	STATIC	LC	3400.	2120.000	5440.000		.	.	2000.	1410.000	2840.000
47	STATIC	LC	>4000.	.	.		.	.	970.	790.000	1190.000
48	STATIC	LC	>20000	.	.		.	.	8800.	8090.000	9580.000

TRICHLORFON
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.5	44
50	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	8.5	44
51	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	9.0	44
52	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	17.0	6.5	44
53	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	17.0	7.5	44
54	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	17.0	8.5	44
55	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	17.0	9.0	44
56	80.00% WETTABLE POWDER	RAINBOW TROUT		1.00	12.0	7.4	40
57	40.50% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.60	12.0	7.4	40
58	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	7.0	7.5	40
59	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.5	40
60	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	7.0	7.5	40
61	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.5	160
62	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	17.0	7.5	160
63	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	17.0	7.5	320
64	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	17.0	7.5	320
65	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	7.5	320
66	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	7.0	7.5	320
67	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	7.0	8.5	40
68	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	17.0	6.5	40
69	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	12.0	6.5	160
70	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	6.5	320
71	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	17.0	6.5	320
72	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
49	STATIC	LC	>12000	.	.		.	.	1120.	936.000	1340.000
50	STATIC	LC	2100.	1700.000	2600.000		.	.	700.	584.000	838.000
51	STATIC	LC	1400.	1130.000	1740.000		.	.	700.	634.000	773.000
52	STATIC	LC	>8500.	.	.		.	.	1380.	1130.000	1680.000
53	STATIC	LC	>4000.	.	.		.	.	355.	287.000	439.000
54	STATIC	LC	860.	675.000	1100.000		.	.	210.	170.000	260.000
55	STATIC	LC	880.	747.000	1040.000		.	.	280.	226.000	347.000
56	STATIC	LC	>5600.	.	.		.	.	700.	500.000	969.000
57	STATIC	LC	>10000	.	.		.	.	1400.	1050.000	1850.000
58	STATIC	LC	>12000	.	.		.	.	4250.	3430.000	5270.000
59	STATIC	LC	8600.	6150.000	12040.000		.	.	1020.	884.000	1180.000
60	STATIC	LC	>12000	.	.		.	.	1820.	1500.000	2210.000
61	STATIC	LC	8200.	6390.000	10520.000		.	.	860.	745.000	992.000
62	STATIC	LC	1420.	1048.000	1923.000		.	.	72.	42.000	124.000
63	STATIC	LC	>1500.	.	.		.	.	158.	119.000	210.000
64	STATIC	LC	2850.	2295.000	3532.000		.	.		.	.
65	STATIC	LC	>5000.	.	.		.	.	1400.	1220.000	1610.000
66	STATIC	LC	>12000	.	.		.	.	3500.	2760.000	4440.000
67	STATIC	LC	>5000.	.	.		.	.	5850.	3990.000	8580.000
68	STATIC	LC	>500.	.	.		.	.	167.	114.000	244.000
69	STATIC	LC	>5000.	.	.		.	.	3500.	2820.000	4340.000
70	STATIC	LC	>5000.	.	.		.	.	4500.	3300.000	6140.000
71	STATIC	LC	>500.	.	.		.	.	310.	239.000	402.000
72	STATIC	LC	>3200.	.	.		.	.	2600.	1750.000	3850.000

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TRICHLORFON
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
73	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	40
74	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	40
75	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	7.4	40
76	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	8.5	40
77	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	8.5	40
78	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	12.0	8.5	40
79	80.00% WETTABLE POWDER	RAINBOW TROUT		1.20	12.0	7.4	40
80	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	7.0	7.4	40
81	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	12.0	7.4	40
82	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.20	17.0	7.4	40
83	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.4	320
84	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.20	12.0	7.4	40
85	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	7.0	7.4	40
86	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	7.0	7.5	40
87	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	7.5	40
88	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	7.5	40
89	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	7.5	40
90	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	7.5	40
91	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	7.0	9.0	40
92	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	9.0	40
93	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	9.0	40
94	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	7.0	8.5	40
95	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	7.0	8.5	160
96	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	7.0	8.5	320

OBS	__ TEST TYPE __		___ 24 HOUR ___	CONFIDENCE	INTERVAL	___ 48 HOUR ___	CONFIDENCE	INTERVAL	___ 96 HOUR ___	CONFIDENCE	INTERVAL
73	STATIC	LC	>3200.	.	.		.	.	2500.	1940.000	3220.000
74	STATIC	LC	>3200.	.	.		.	.	780.	570.000	1060.000
75	STATIC	LC	>3200.	.	.		.	.	820.	590.000	1120.000
76	STATIC	LC	1200.	999.000	1440.000		.	.	430.	330.000	540.000
77	STATIC	LC	1400.	1060.000	1830.000		.	.	370.	270.000	505.000
78	STATIC	LC	1300.	950.000	1760.000		.	.	580.	400.000	820.000
79	STATIC	LC	>5600.	.	.		.	.	780.	560.000	1070.000
80	STATIC	LC	>5600.	.	.		.	.	2400.	1972.000	2921.000
81	STATIC	LC	>5600.	.	.		.	.	1100.	750.000	1612.000
82	STATIC	LC	2400.	1936.000	2974.000		.	.	430.	358.000	517.000
83	STATIC	LC	2550.	1900.000	3410.000		.	.	960.	630.000	1450.000
84	STATIC	LC	3600.	2510.000	5170.000		.	.	860.	670.000	1100.000
85	STATIC	LC	>15000	.	.		.	.	9000.	8170.000	9920.000
86	STATIC	LC	>11000	.	.		.	.	6410.	5410.000	7600.000
87	STATIC	LC	>11000	.	.		.	.	1750.	1250.000	2460.000
88	STATIC	LC	>11000	.	.		.	.	2460.	2010.000	3010.000
89	STATIC	LC	>6000	.	.		.	.	390.	299.000	508.000
90	STATIC	LC	6400.	5510.000	7430.000		.	.	580.	393.000	855.000
91	STATIC	LC	5000.	4050.000	6170.000		.	.	560.	447.000	702.000
92	STATIC	LC	2000.	1730.000	2310.000		.	.	700.	529.000	926.000
93	STATIC	LC	840.	750.000	941.000		.	.	360.	297.000	436.000
94	STATIC	LC	3500.	2820.000	4340.000		.	.	860.	635.000	1170.000
95	STATIC	LC	5620.	4550.000	6940.000		.	.	1000.	704.000	1420.000
96	STATIC	LC	5700.	4600.000	7060.000		.	.	1100.	880.000	1370.000

TRICHLORFON
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
97	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	8.5	40
98	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	8.5	160
99	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	8.5	320
100	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	17.0	8.5	40
101	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	17.0	8.5	160
102	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.00	17.0	6.5	320
103	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	7.0	8.5	40
104	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	7.0	8.5	40
105	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	8.5	40
106	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	8.5	40
107	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	8.5	40
108	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	8.5	40
109	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	7.0	7.4	40
110	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	7.0	8.5	40
111	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	7.0	8.5	40
112	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	7.0	9.0	40
113	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	6.5	40
114	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	7.5	40
115	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	8.5	40
116	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	8.5	40
117	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	9.0	40
118	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	6.5	40
119	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	7.5	40
120	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	7.5	40

OBS	__ TEST TYPE __		___ 24 HOUR ___			___ 48 HOUR ___			___ 96 HOUR ___		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
97	STATIC	LC	1600.	1200.000	2130.000		.	.	570.	431.000	754.000
98	STATIC	LC	1590.	1200.000	2110.000		.	.	500.	391.000	639.000
99	STATIC	LC	1680.	1180.000	2390.000		.	.	500.	432.000	579.000
100	STATIC	LC	>250.	.	.		.	.	208.	156.000	278.000
101	STATIC	LC	>250.	.	.		.	.	230.	168.000	316.000
102	STATIC	LC	>250.	.	.		.	.	160.	120.000	213.000
103	STATIC	LC	8800.	7650.000	10130.000		.	.	1000.	651.000	1540.000
104	STATIC	LC	7400.	6560.000	8340.000		.	.	820.	592.000	1130.000
105	STATIC	LC	1800.	1650.000	2048.000		.	.	562.	436.000	724.000
106	STATIC	LC	3000.	2480.000	3630.000		.	.	740.	656.000	835.000
107	STATIC	LC	190.	153.000	235.000		.	.	190.	153.000	235.000
108	STATIC	LC	780.	670.000	909.000		.	.	440.	354.000	547.000
109	STATIC	LC	>11000	.	.		.	.	6410.	5410.000	7595.000
110	STATIC	LC	8800.	7648.000	10125.000		.	.	1000.	650.000	1536.000
111	STATIC	LC	7400.	6560.000	8347.000		.	.	820.	592.000	1134.000
112	STATIC	LC	5000.	4051.000	6170.000		.	.	560.	446.000	701.000
113	STATIC	LC		.	.		.	.	8000.	6668.000	9597.000
114	STATIC	LC	>11000	.	.		.	.	2460.	2007.000	3013.000
115	STATIC	LC	3000.	2481.000	3626.000		.	.	740.	656.000	834.000
116	STATIC	LC	1800.	1574.000	2058.000		.	.	562.	436.000	724.000
117	STATIC	LC	2000.	1728.000	2314.000		.	.	700.	529.000	926.000
118	STATIC	LC	>8000.	.	.		.	.	1230.	1084.000	1394.000
119	STATIC	LC	>6000.	.	.		.	.	390.	299.000	507.000
120	STATIC	LC	6400.	5511.000	7431.000		.	.	580.	393.000	855.000

TRICHLORFON
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
121	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	8.5	40
122	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	8.5	40
123	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	17.0	9.0	40
124	80.00% WETTABLE POWDER	RAINBOW TROUT		1.20	12.0	7.4	40
125	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.65	12.0	7.4	40
126	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.50	12.0	7.5	44
127	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.50	12.0	7.5	40
128	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	7.0	7.5	40
129	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	17.0	7.5	40
130	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	8.0	10
131	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	8.0	40
132	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	6.5	40
133	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	7.5	40
134	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.20	12.0	8.5	40
135	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON		0.60	12.0	7.5	40
136	98.00% TECHNICAL MATERIAL	ATLANTIC SALMON	YOLK-SAC FRY	.	7.0	7.5	40
137	98.00% TECHNICAL MATERIAL	BROWN TROUT		4.60	12.0	7.5	44
138	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	7.5	44
139	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	7.0	7.5	44
140	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.70	17.0	7.5	44
141	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	6.5	44
142	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	7.5	44
143	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	8.5	44
144	98.00% TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	9.0	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
121	STATIC	LC	1000.	901.000	1109.000		.	.	190.	153.000	235.000
122	STATIC	LC	780.	669.000	909.000		.	.	440.	353.000	547.000
123	STATIC	LC	840.	749.000	941.000		.	.	360.	296.000	436.000
124	STATIC	LC	>5600.	.	.		.	.	780.	560.000	1070.000
125	STATIC	LC	21000.	10100.000	46700.000		.	.	1060.	418.000	2690.000
126	STATIC	LC	>10000	.	.		.	.	1400.	1130.000	1730.000
127	STATIC	LC	>7500.	.	.		.	.	2000.	1630.000	2483.000
128	STATIC	LC	>10000	.	.		.	.	4100.	3470.000	4840.000
129	STATIC	LC	>1000.	.	.		.	.	580.	481.000	699.000
130	STATIC	LC	2200.	1740.000	2790.000		.	.	540.	460.000	630.000
131	STATIC	LC	2500.	1800.000	3480.000		.	.	380.	293.000	493.000
132	STATIC	LC	>12000	.	.		.	.	4400.	3910.000	4950.000
133	STATIC	LC	>5000.	.	.		.	.	610.	538.000	692.000
134	STATIC	LC	2000.	1510.000	2650.000		.	.	300.	260.000	347.000
135	STATIC	LC	>5000.	.	.		.	.	2970.	2330.000	3790.000
136	STATIC	LC		.	.		.	.	10400.	7820.000	13850.000
137	STATIC	LC	>7000.	.	.		.	.	3500.	2490.000	4910.000
138	STATIC	LC	>5000.	.	.		.	.	2500.	2180.000	2860.000
139	STATIC	LC	>10000	.	.		.	.	9400.	7890.000	11200.000
140	STATIC	LC	10000.	8360.000	12000.000		.	.	1100.	898.000	1350.000
141	STATIC	LC	>10000	.	.		.	.	8400.	5706.000	12400.000
142	STATIC	LC	>10000	.	.		.	.	3400.	2530.000	4570.000
143	STATIC	LC	>4000.	.	.		.	.	470.	376.000	588.000
144	STATIC	LC	340.	198.000	583.000		.	.	240.	201.000	287.000

TRICHLORFON
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION		SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
145	98.00%	TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	8.0	12
146	98.00%	TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	8.0	300
147	80.00%	WETTABLE POWDER	BROOK TROUT		0.70	12.0	7.5	44
148	98.00%	TECHNICAL MATERIAL	BROOK TROUT		1.20	17.0	7.5	40
149	98.00%	TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	6.5	40
150	98.00%	TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	7.5	40
151	98.00%	TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	8.5	40
152	98.00%	TECHNICAL MATERIAL	BROOK TROUT		0.70	12.0	8.5	40
153	98.00%	TECHNICAL MATERIAL	BROOK TROUT		1.20	12.0	7.5	40
154	98.00%	TECHNICAL MATERIAL	BROOK TROUT		0.80	12.0	7.5	320
155	40.00%	EMULSIFIABLE CONCENTRATE	BROOK TROUT		0.70	12.0	7.5	40
156	98.00%	TECHNICAL MATERIAL	LAKE TROUT		2.30	12.0	7.4	162
157	98.00%	TECHNICAL MATERIAL	LAKE TROUT		4.40	12.0	7.4	162
158	98.00%	TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.1	44
159	98.00%	TECHNICAL MATERIAL	BLACK BULLHEAD		1.20	18.0	7.4	272
160	40.50%	EMULSIFIABLE CONCENTRATE	CHANNEL CATFISH		0.80	17.0	7.4	44
161	98.00%	TECHNICAL MATERIAL	CHANNEL CATFISH		1.20	17.0	7.5	40
162	98.00%	TECHNICAL MATERIAL	CHANNEL CATFISH		1.60	18.0	7.1	44
163	98.00%	TECHNICAL MATERIAL	BLUEGILL		1.00	18.0	7.1	44
164	98.00%	TECHNICAL MATERIAL	BLUEGILL		1.00	7.0	6.5	44
165	98.00%	TECHNICAL MATERIAL	BLUEGILL		1.00	7.0	7.5	44
166	98.00%	TECHNICAL MATERIAL	BLUEGILL		1.00	7.0	8.5	44
167	98.00%	TECHNICAL MATERIAL	BLUEGILL		1.00	7.0	9.0	44
168	98.00%	TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	6.5	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
145	STATIC	LC	4650.	3910.000	5530.000		.	.	2420.	2100.000	2800.000
146	STATIC	LC	4250.	3570.000	5060.000		.	.	620.	488.000	787.000
147	STATIC	LC	>12000	.	.		.	.	9200.	6740.000	12500.000
148	STATIC	LC	5420.	4410.000	6650.000		.	.	500.	383.000	652.000
149	STATIC	LC	>12000	.	.		.	.	9200.	7790.000	10870.000
150	STATIC	LC	>7000.	.	.		.	.	6000.	4570.000	7880.000
151	STATIC	LC		.	.		.	.	960.	780.000	1180.000
152	STATIC	LC	5600.	4440.000	7060.000		.	.	840.	588.000	1200.000
153	STATIC	LC	3200.	2540.000	4040.000		.	.	650.	500.000	850.000
154	STATIC	LC	1280.	1080.000	1520.000		.	.	290.	205.000	410.000
155	STATIC	LC	>12000	.	.		.	.	5500.	4600.000	6580.000
156	STATIC	LC	2680.	1910.000	3770.000		.	.	550.	354.000	854.000
157	STATIC	LC	6150.	5100.000	7420.000		.	.	1030.	784.000	1350.000
158	STATIC	LC	>8700.	.	.		.	.	7900.	6740.000	9260.000
159	STATIC	LC	1260.	856.000	1854.000		.	.	515.	364.000	729.000
160	STATIC	LC	>10000	.	.		.	.	2200.	1656.000	2921.000
161	STATIC	LC	>32000	.	.		.	.	7600.	5720.000	10090.000
162	STATIC	LC	2400.	1870.000	3080.000		.	.	880.	766.000	1010.000
163	STATIC	LC	13200.	9710.000	17900.000		.	.	3170.	2680.000	3750.000
164	STATIC	LC	>50000	.	.		.	.	>50000	.	.
165	STATIC	LC	>50000	.	.		.	.	50000.	34000.000	73600.000
166	STATIC	LC	38500.	32000.000	46400.000		.	.	10300.	8130.000	13000.000
167	STATIC	LC	15000.	12300.000	18300.000		.	.	10300.	8130.000	13000.000
168	STATIC	LC	>50000	.	.		.	.	>50000	.	.

TRICHLORFON
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
169	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	7.5	44
170	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	8.5	44
171	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	9.0	44
172	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	6.5	44
173	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.5	44
174	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	8.5	44
175	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	9.0	44
176	80.00% WETTABLE POWDER	BLUEGILL		0.80	17.0	7.4	40
177	40.50% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.00	17.0	7.4	44
178	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	7.4	40
179	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	6.5	40
180	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	7.5	40
181	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	7.5	40
182	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	8.5	40
183	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	8.5	40
184	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	8.5	40
185	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	9.5	40
186	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	9.5	40
187	98.00% TECHNICAL MATERIAL	BLUEGILL		0.40	17.0	7.4	40
188	98.00% TECHNICAL MATERIAL	BLUEGILL		0.40	17.0	7.4	320
189	80.00% WETTABLE POWDER	BLUEGILL		0.80	17.0	7.4	40
190	98.00% TECHNICAL MATERIAL	BLUEGILL		0.40	12.0	7.4	40
191	98.00% TECHNICAL MATERIAL	BLUEGILL		0.40	17.0	7.4	40
192	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	6.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
169	STATIC	LC	>50000	.	.		.	.	32000.	26000.000	39500.000
170	STATIC	LC	>7500.	.	.		.	.	3400.	2270.000	5080.000
171	STATIC	LC	>7500.	.	.		.	.	2900.	1870.000	4500.000
172	STATIC	LC	>50000	.	.		.	.	14500.	11900.000	17800.000
173	STATIC	LC	>7500.	.	.		.	.	4500.	3890.000	5200.000
174	STATIC	LC	7000.	5050.000	9700.000		.	.	1720.	1470.000	2010.000
175	STATIC	LC	5420.	4300.000	6830.000		.	.	1720.	1270.000	2330.000
176	STATIC	LC	>10000	.	.		.	.	940.	645.000	1360.000
177	STATIC	LC	>32000	.	.		.	.	5200.	3721.000	7266.000
178	STATIC	LC	>10000	.	.		.	.	1050.	737.000	1490.000
179	STATIC	LC	>10000	.	.		.	.	2500.	1910.000	3260.000
180	STATIC	LC	3600.	2420.000	5340.000		.	.	600.	486.000	740.000
181	STATIC	LC	>10000	.	.		.	.	1300.	874.000	1930.000
182	STATIC	LC	4000.	3020.000	5280.000		.	.	1500.	1210.000	1850.000
183	STATIC	LC	3400.	2480.000	4640.000		.	.	1000.	840.000	1190.000
184	STATIC	LC	3900.	2900.000	5230.000		.	.	2500.	1840.000	3380.000
185	STATIC	LC	>10000	.	.		.	.	2700.	1970.000	3680.000
186	STATIC	LC	3450.	2210.000	5376.000		.	.	1650.	1100.000	2450.000
187	STATIC	LC	5000.	3400.000	7350.000		.	.	2200.	1560.000	3100.000
188	STATIC	LC	4400.	2770.000	7000.000		.	.	1050.	720.000	1530.000
189	STATIC	LC	>10000	.	.		.	.	1050.	737.000	1490.000
190	STATIC	LC	>32000	.	.		.	.	15000.	10650.000	21130.000
191	STATIC	LC	>32000	.	.		.	.	3300.	2280.000	4770.000
192	STATIC	LC	>50000	.	.		.	.	39000.	33292.000	45685.000

TRICHLORFON
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
193	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	6.5	40
194	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	7.5	40
195	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	7.5	40
196	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.5	40
197	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	7.5	40
198	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.5	40
199	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	7.0	8.5	40
200	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	7.0	8.5	40
201	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	12.0	8.5	40
202	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	8.5	40
203	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	8.5	40
204	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	8.5	40
205	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	8.5	40
206	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	8.5	40
207	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	7.0	9.0	40
208	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	7.0	9.0	40
209	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	9.0	40
210	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	9.0	40
211	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	17.0	9.0	40
212	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	9.0	40
213	98.00% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	9.0	40
214	40.50% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.00	17.0	7.4	40
215	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.4	40
216	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	7.0	8.5	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
193	STATIC	LC	>20000	.	.		.	.	800.	602.000	1062.000
194	STATIC	LC	>50000	.	.		.	.	35500.	30993.000	40662.000
195	STATIC	LC	>50000	.	.		.	.	31000.	23047.000	41695.000
196	STATIC	LC	>15000	.	.		.	.	3500.	2998.000	4085.000
197	STATIC	LC	>15000	.	.		.	.	7200.	5034.000	10297.000
198	STATIC	LC	2820.	2275.000	3495.000		.	.	2820.	2275.000	3495.000
199	STATIC	LC	30000.	21710.000	41455.000		.	.	9200.	6780.000	12483.000
200	STATIC	LC	37500.	.	.		.	.	12390.	10283.000	14711.000
201	STATIC	LC	10000.	7043.000	14200.000		.	.	7200.	5700.000	9093.000
202	STATIC	LC	>7500.	.	.		.	.	5000.	3630.000	6888.000
203	STATIC	LC	>7500.	.	.		.	.	1730.	1550.000	1930.000
204	STATIC	LC	8200.	6040.000	11130.000		.	.	3150.	2500.000	3970.000
205	STATIC	LC	8100.	6090.000	10770.000		.	.	2250.	1890.000	2880.000
206	STATIC	LC	4400.	3510.000	5520.000		.	.	410.	317.000	528.000
207	STATIC	LC	15000.	12500.000	18100.000		.	.	8700.	6700.000	11300.000
208	STATIC	LC	15000.	.	.		.	.	14000.	11400.000	17200.000
209	STATIC	LC	8600.	7070.000	10460.000		.	.	5800.	3960.000	8500.000
210	STATIC	LC	15000.	.	.		.	.	5000.	4900.000	7345.000
211	STATIC	LC	8200.	6050.000	11100.000		.	.	2800.	2280.000	3440.000
212	STATIC	LC		.	.		.	.	2000.	1650.000	2430.000
213	STATIC	LC	3100.	2380.000	4040.000		.	.	234.	155.000	351.000
214	STATIC	LC	>18000	.	.		.	.	5200.	3721.000	7266.000
215	STATIC	LC	9800.	6300.000	15200.000		.	.	3360.	2100.000	5400.000
216	STATIC	LC	>15000	.	.		.	.	13000.	9993.000	16900.000

TRICHLORFON
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
217	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	7.0	9.0	40
218	98.00% TECHNICAL MATERIAL	BLUEGILL		0.90	12.0	7.5	40
219	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	7.5	40
220	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	8.5	40
221	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	9.0	40
222	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	9.0	40
223	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	7.5	40
224	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	8.5	40
225	98.00% TECHNICAL MATERIAL	BLUEGILL		1.00	17.0	9.0	40
226	80.00% WETTABLE POWDER	BLUEGILL		0.80	17.0	7.4	40
227	98.00% TECHNICAL MATERIAL	BLUEGILL		1.10	18.0	7.7	40
228	98.00% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.80	18.0	7.4	272
229	98.00% TECHNICAL MATERIAL	YELLOW PERCH		2.60	12.0	7.5	40

OBS	__ TEST TYPE __		___ 24 HOUR ___	CONFIDENCE	INTERVAL	___ 48 HOUR ___	CONFIDENCE	INTERVAL	___ 96 HOUR ___	CONFIDENCE	INTERVAL
217	STATIC	LC	>15000	.	.		.	.	15000.	10890.000	20660.000
218	STATIC	LC	>50000	.	.		.	.	45000.	38300.000	52860.000
219	STATIC	LC	>35000	.	.		.	.	40000.	28170.000	56800.000
220	STATIC	LC	>12000	.	.		.	.	6800.	5400.000	8580.000
221	STATIC	LC	>12000	.	.		.	.	9600.	8290.000	11100.000
222	STATIC	LC	15000.	11700.000	19300.000		.	.	8100.	5960.000	11000.000
223	STATIC	LC	>15000	.	.		.	.	2350.	1850.000	2990.000
224	STATIC	LC	8000.	.	.		.	.	2250.	1890.000	2680.000
225	STATIC	LC	6800.	5650.000	8300.000		.	.	2250.	1680.000	3010.000
226	STATIC	LC	>10000	.	.		.	.	1050.	737.000	1490.000
227	STATIC	LC	19000.	9590.000	38200.000		.	.	1880.	1320.000	2400.000
228	STATIC	LC	11500.	9170.000	14400.000		.	.	3450.	3030.000	3930.000
229	STATIC	LC	>10000	.	.		.	.	>10000	.	.

CAS # 50-31-7 PRINCIPAL USE: HERBICIDE

2,3,6-TRICHLOROBENZOIC ACID
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	53.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	13.8	11.100	17.100		.	.	8.5	6.800	10.500

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                                                                                   TRICHLOROMANDELIC ACID
   CAS # 14299-51-5    PRINCIPAL USE:  METABOLITE                                            MEASURED IN MG /L

                       CHEMICAL                                                                                                    DEG.  HARDNESS
OBS                   DESCRIPTION                     SPECIES                    SIZE         WEIGHT                               CENT. PH  MG/L

  1   100.0% TECHNICAL MATERIAL       CHANNEL CATFISH                                           0.80                                18.0  7.1    40




      __ TEST TYPE __            ___ 24 HOUR ___                        ___ 48 HOUR ___                       ___ 96 HOUR ___
OBS                                        CONFIDENCE INTERVAL                    CONFIDENCE INTERVAL                    CONFIDENCE INTERVAL

  1   STATIC        LC           >25.0          .          .                           .          .            >25.0          .          .
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TRICHLORONATE

CAS # 327-98-0 PRINCIPAL USE: INSECTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	95.00% TECHNICAL MATERIAL	PTERONARCYS CALIFORNICA	2ND YEAR CLASS	.	16.0	7.4	40
2	95.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.40	12.0	7.4	40
3	95.00% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.4	40

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	14.	10.000	19.000		.	.	0.10	0.090	0.120
2	STATIC	LC	1200.	950.000	1516.000		.	.	140.	112.000	175.000
3	STATIC	LC	890.	781.000	1014.000		.	.	220.	147.000	330.000

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TRICLOPYR

CAS # 55335-06-3   PRINCIPAL USE: HERBICIDE   MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	43.50% LIQUID	RAINBOW TROUT		0.90	12.0	7.4	44
2	43.50% LIQUID	BLUEGILL		0.80	22.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	>100.	.	.		.	.	>100.	.	.
2	STATIC	LC	>100.	.	.		.	.	>100.	.	.

CAS # 1330-78-5   PRINCIPAL USE: INDUSTRIAL

TRICRESYL PHOSPHATE
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.23	12.0	7.4	44
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	7.4	44
3	100.0% TECHNICAL MATERIAL	CHANNEL CATFISH		1.30	12.0	7.4	44
4	100.0% TECHNICAL MATERIAL	BLUEGILL		0.60	12.0	7.4	44
5	100.0% TECHNICAL MATERIAL	BLUEGILL		0.60	12.0	7.6	314
6	100.0% TECHNICAL MATERIAL	YELLOW PERCH		0.70	12.0	7.4	242

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	FLOW THROUGH	LC	940.	830.000	1070.000		.	.	260.	210.000	320.000
2	FLOW THROUGH	LC		.	.		.	.	400.	270.000	580.000
3	FLOW THROUGH	LC		.	.		.	.	800.	670.000	960.000
4	FLOW THROUGH	LC	900.	830.000	970.000		.	.	150.	100.000	220.000
5	FLOW THROUGH	LC		.	.		.	.	82.	61.000	110.000
6	FLOW THROUGH	LC		.	.		.	.	500.	380.000	660.000

TRIFLURALIN
MEASURED IN UG /L

SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
TROUT		0.80	17.0	7.4	44
TROUT		4.30	12.0	7.6	42
TROUT	FINGERLING	1.00	12.0	7.4	44
TROUT	SWIMUP FRY	.	12.0	7.4	44
TROUT	SWIMUP FRY	.	12.0	7.4	40
TROUT	SWIMUP FRY	.	12.0	7.4	40
TROUT	SWIMUP FRY	.	12.0	7.4	40
TROUT	YOLK-SAC FRY	.	12.0	7.4	44
H		1.00	18.0	7.4	44
MINNOW		0.60	18.0	7.4	44
MINNOW		0.80	18.0	7.4	44
MINNOW		0.80	18.0	7.4	44
CATFISH		1.50	18.0	7.4	44
CATFISH		5.20	18.0	7.4	44
CATFISH		5.20	24.0	7.4	44
CATFISH		0.80	22.0	7.4	44
CATFISH	SWIMUP FRY	.	22.0	7.4	40
CATFISH	YOLK-SAC FRY	.	22.0	7.4	40
L		1.10	24.0	7.4	44
L		0.90	7.0	7.4	44
L		0.90	12.0	7.4	44
L		0.90	18.0	7.4	44
L		0.90	24.0	7.4	44
L		0.90	29.0	7.4	44

DENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
	.		.	.	22.	16.000	30.000
000	72.000		.	.	51.	36.000	73.000
000	180.000		.	.	86.	61.000	120.000
	.		.	.	83.	53.000	130.000
	.		.	.	140.	80.000	240.000
000	510.000		.	.	170.	100.000	280.000
000	590.000		.	.	160.	96.000	270.000
	.		.	.	1600.	1200.000	2100.000
000	1068.000		.	.	145.	108.000	195.000
000	456.000		.	.	160.	116.000	220.000
000	251.000		.	.	124.	95.000	162.000
000	182.000		.	.	105.	83.000	134.000
000	589.000		.	.		.	.
000	969.000		.	.	440.	361.000	536.000
000	809.000		.	.	210.	135.000	375.000
000	7860.000		.	.	2200.	1420.000	3410.000
	.		.	.	330.	213.000	511.000
	.		.	.	660.	520.000	830.000
900	25.200		.	.	18.5	16.800	19.900
000	1700.000		.	.	280.	240.000	330.000
000	610.000		.	.	210.	170.000	250.000
000	430.000		.	.	135.	120.000	160.000
000	140.000		.	.	47.	40.000	55.000
000	13.000		.	.	8.4	6.500	11.000

TRIFLURALIN
MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
49	95.90% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.4	44
50	95.90% TECHNICAL MATERIAL	BLUEGILL		0.80	22.0	7.4	44
51	95.90% TECHNICAL MATERIAL	BLUEGILL		0.90	12.0	7.4	44
52	95.90% TECHNICAL MATERIAL	BLUEGILL		0.90	17.0	7.4	44
53	95.90% TECHNICAL MATERIAL	BLUEGILL		0.90	22.0	7.4	44
54	95.90% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	6.5	40
55	95.90% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	7.5	40
56	95.90% TECHNICAL MATERIAL	BLUEGILL		0.50	22.0	8.5	40
57	95.90% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.5	40
58	95.90% TECHNICAL MATERIAL	BLUEGILL		0.60	22.0	7.4	320
59	95.90% TECHNICAL MATERIAL	LARGEMOUTH BASS		0.70	18.0	7.4	272
60	95.90% TECHNICAL MATERIAL	WALLEYE		1.40	18.0	7.4	44
61	95.90% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	15.0	7.4	44
62	95.90% TECHNICAL MATERIAL	FOWLERS TOAD	TADPOLE	.	15.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
49	STATIC	LC	77.	62.700	94.600		.	.	60.	48.700	73.900
50	STATIC	LC	69.	54.000	87.000		.	.	58.	47.000	70.000
51	STATIC	LC	>5600.	.	.		.	.	400.	300.000	540.000
52	STATIC	LC		.	.		.	.	240.	170.000	330.000
53	STATIC	LC	460.	340.000	630.000		.	.	190.	130.000	280.000
54	STATIC	LC		.	.		.	.	100.	64.000	144.000
55	STATIC	LC		.	.		.	.	260.	169.000	399.000
56	STATIC	LC		.	.		.	.	120.	87.000	163.000
57	STATIC	LC	440.	295.000	541.000		.	.	140.	45.000	206.000
58	STATIC	LC	400.	302.000	530.000		.	.	70.	47.000	104.000
59	STATIC	LC	120.	92.000	157.000		.	.	75.	65.000	87.000
60	STATIC	LC	180.	125.000	260.000		.	.		.	.
61	STATIC	LC	200.	151.000	266.000		.	.	115.	82.000	161.000
62	STATIC	LC	180.	108.000	300.000		.	.	110.	66.000	183.000

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                                                                              2,3,5-TRIMETHYL NAPHTHALENE
      CAS #            PRINCIPAL USE:  FUMIGANT                                           MEASURED IN UG /L

                     CHEMICAL                                                                                       DEG.  HARDNESS
  OBS               DESCRIPTION                     SPECIES                SIZE        WEIGHT                       CENT. PH  MG/L

     1  100.0% TECHNICAL MATERIAL          FATHEAD MINNOW                               0.50                        12.0  7.4    44
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         _ TEST TYPE _              ___ 24 HOUR ___                     ___ 48 HOUR ___                     ___ 96 HOUR ___
  OBS                                        CONFIDENCE INTERVAL                 CONFIDENCE INTERVAL                 CONFIDENCE INTERVAL

     1  STATIC         LC                        .          .                        .          .       6400.     4890.000    8380.000
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                                                                       2,3,6-TRIMETHYL NAPHTHALENE
    CAS #            PRINCIPAL USE:  FUMIGANT                                   MEASURED IN UG /L

                  CHEMICAL                                                                                  DEG.  HARDNESS
 OBS             DESCRIPTION                  SPECIES             SIZE       WEIGHT                         CENT. PH  MG/L

   1  100.0% TECHNICAL MATERIAL         FATHEAD MINNOW                        0.60                          12.0  7.4    44



 OBS   __ TEST TYPE __          ___ 24 HOUR ___                    ___ 48 HOUR ___                    ___ 96 HOUR ___
                                       CONFIDENCE INTERVAL                CONFIDENCE INTERVAL                CONFIDENCE INTERVAL

   1  STATIC        LC                      .          .                        .          .         >6700.        .          .
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CAS # 126-73-8 PRINCIPAL USE: INDUSTRIAL

TRI-N-BUTYL PHOSPHATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		1.20	17.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	>10.	.	.		.	.		1.000	10.000

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CAS # 115-86-6 PRINCIPAL USE: HYDRAULIC FLUID

TRIPHENYL PHOSPHATE
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	RAINBOW TROUT		0.60	12.0	7.4	40
2	100.0% LIQUID	FATHEAD MINNOW		1.00	22.0	7.3	44
3	100.0% LIQUID	CHANNEL CATFISH		0.23	22.0	7.5	38

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	0.62	0.500	0.780		.	.	0.37	0.280	0.500
2	STATIC	LC	2.1	1.500	2.900		.	.	1.0	0.700	1.400
3	STATIC	LC	0.76	0.600	0.960		.	.	0.42	0.350	0.500

TRIPHENYLTIN HYDROXIDE

CAS # 76-87-9 PRINCIPAL USE: FUNGICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	MATURE	.	12.0	7.1	44
2	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.80	13.0	7.1	44
3	100.0% TECHNICAL MATERIAL	GOLDFISH		1.00	18.0	7.1	44
4	100.0% TECHNICAL MATERIAL	FATHEAD MINNOW		0.90	18.0	7.1	44
5	100.0% TECHNICAL MATERIAL	BLUEGILL		0.50	24.0	7.1	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	2600.	1870.000	3620.000		.	.	66.	42.000	103.000
2	STATIC	LC	100.	.	.		.	.	<28.	.	.
3	STATIC	LC	121.	99.000	149.000		.	.	62.	49.000	75.000
4	STATIC	LC	76.	58.000	100.000		.	.	20.	9.000	42.000
5	STATIC	LC	76.	54.000	106.000		.	.	23.	19.000	28.000

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                                                                                   TRITON B-1956
           CAS #              PRINCIPAL USE:  SPREADER-STICKER                              MEASURED IN MG /L

                         CHEMICAL                                                                                    DEG.  HARDNESS
       OBS            DESCRIPTION                 SPECIES             SIZE       WEIGHT                             CENT. PH  MG/L

         1  100.0% LIQUID                  BLUEGILL                                1.40                             18.0  7.4   44
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            __ TEST TYPE __         ___ 24 HOUR ___                   ___ 48 HOUR ___                   ___ 96 HOUR ___
       OBS                                   CONFIDENCE INTERVAL              CONFIDENCE INTERVAL                CONFIDENCE INTERVAL

         1 STATIC        LC         >560.        .          .                     .           .         >560.       .          .
```

UC 10854

CAS # 64-00-6 PRINCIPAL USE: INSECTICIDE MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.50	12.0	7.4	44
2	100.0% TECHNICAL MATERIAL	BLUEGILL		1.30	24.0	7.4	44

OBS	TEST TYPE		24 HOUR	24 HOUR CONFIDENCE INTERVAL		48 HOUR	48 HOUR CONFIDENCE INTERVAL		96 HOUR	96 HOUR CONFIDENCE INTERVAL	
1	STATIC	LC	270.	203.000	357.000		.	.	140.	94.000	209.000
2	STATIC	LC	82.	42.000	162.000		.	.		.	.

UREABOR

CAS # 8027-85-8 PRINCIPAL USE: HERBICIDE

MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	98.00% TECHNICAL MATERIAL	CHINOOK SALMON		1.00	10.0	7.4	44
2	98.00% TECHNICAL MATERIAL	CHINOOK SALMON	SWIMUP FRY	.	10.0	7.4	44
3	98.00% TECHNICAL MATERIAL	CHINOOK SALMON	YOLK-SAC FRY	.	10.0	7.4	44
4	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	5.0	7.4	44
5	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	10.0	7.4	44
6	98.00% TECHNICAL MATERIAL	RAINBOW TROUT		1.10	15.0	7.4	44
7	98.00% TECHNICAL MATERIAL	RAINBOW TROUT	SWIMUP FRY	.	10.0	7.4	44
8	98.00% TECHNICAL MATERIAL	FATHEAD MINNOW		0.70	17.0	7.4	44
9	98.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.90	20.0	7.4	44
10	98.00% TECHNICAL MATERIAL	BLUEGILL		0.90	15.0	7.4	44
11	98.00% TECHNICAL MATERIAL	BLUEGILL		0.90	20.0	7.4	44
12	98.00% TECHNICAL MATERIAL	BLUEGILL		0.90	25.0	7.4	44
13	98.00% TECHNICAL MATERIAL	BLUEGILL		0.90	17.0	7.4	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC	>450.	.	.		.	.	352.	289.000	428.000
2	STATIC	LC	>450.	.	.	429.	319.000	578.000		.	.
3	STATIC	LC	>300.	.	.		.	.	225.	153.000	330.000
4	STATIC	LC	840.	461.000	1530.000		.	.	340.	243.000	476.000
5	STATIC	LC	>1000.	.	.		.	.	640.	387.000	1057.000
6	STATIC	LC	1000.	533.000	1875.000		.	.	820.	456.000	1473.000
7	STATIC	LC	510.	322.000	807.000		.	.	450.	295.000	686.000
8	STATIC	LC	>100.	.	.		.	.	>100.	.	.
9	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
10	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
11	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
12	STATIC	LC	>1000.	.	.		.	.	>1000.	.	.
13	STATIC	LC	>100.	.	.	>100.	.	.	>100.	.	.

VERNOLATE

CAS # 1929-77-7 PRINCIPAL USE: HERBICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	97.70% TECHNICAL MATERIAL	CYPRIDOPSIS VIDUA	EARLY INSTAR	.	21.0	7.4	272
2	97.70% TECHNICAL MATERIAL	ASELLUS BREVICAUDUS	EARLY INSTAR	.	15.0	7.4	272
3	97.70% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	44
4	97.70% TECHNICAL MATERIAL	GAMMARUS FASCIATUS	IMMATURE	.	15.0	7.4	272
5	97.70% TECHNICAL MATERIAL	PALAEMONETES KADIAKENSIS	IMMATURE	.	21.0	7.4	272
6	97.70% TECHNICAL MATERIAL	RAINBOW TROUT		1.30	12.0	7.4	44
7	97.70% TECHNICAL MATERIAL	BLUEGILL		0.80	24.0	7.4	44
8	97.70% TECHNICAL MATERIAL	BLUEGILL		1.20	24.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	250.	150.000	416.000		.	.
2	STATIC	LC	>10000	.	.		.	.	230.	162.000	326.000
3	STATIC	LC	24000.	18000.000	31000.000		.	.	14000.	9600.000	20000.000
4	STATIC	LC	24000.	16000.000	34000.000		.	.	18000.	9600.000	33000.000
5	STATIC	LC	9300.	3800.000	22000.000		.	.	530.	140.000	2000.000
6	STATIC	LC	6400.	5400.000	7600.000		.	.	4300.	3900.000	4700.000
7	STATIC	LC	10000.	9070.000	11000.000		.	.	4000.	3500.000	4600.000
8	STATIC	LC	6400.	5200.000	7900.000		.	.	2500.	1700.000	3700.000

WARFARIN

CAS # 81-81-2 PRINCIPAL USE: RODENTICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	88.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.80	18.0	7.4	44

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE INTERVAL			CONFIDENCE INTERVAL			CONFIDENCE INTERVAL	
1	STATIC	LC	46.	37.000	56.000	37.7	28.100	42.000	34.3	28.100	42.000

WATER GLYCOLS 894-44A
MEASURED IN MG /L

CAS #　　PRINCIPAL USE: HYDRAULIC FLUID

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.6	48
2	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.6	48
3	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.5	42
4	100.0% LIQUID	RAINBOW TROUT		0.90	12.0	7.5	40
5	100.0% LIQUID	RAINBOW TROUT		1.20	7.0	7.4	40
6	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	7.4	40
7	100.0% LIQUID	RAINBOW TROUT		1.20	17.0	7.4	40
8	100.0% LIQUID	FATHEAD MINNOW		1.00	22.0	7.3	46
9	100.0% LIQUID	BLUEGILL		1.00	22.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	>100.	.	.		.	.
2	STATIC	LC		.	.		.	.	>100.	.	.
3	STATIC	LC		.	.		.	.	>100.	.	.
4	STATIC	LC		.	.		.	.	>100.	.	.
5	STATIC	LC		.	.		.	.	>100.	.	.
6	STATIC	LC		.	.		.	.	>100.	.	.
7	STATIC	LC		.	.		.	.	>100.	.	.
8	STATIC	LC		.	.		.	.	>100.	.	.
9	STATIC	LC		.	.		.	.	>100.	.	.

WATER GLYCOLS 894-44B
MEASURED IN MG /L

CAS #

PRINCIPAL USE: HYDRAULIC FLUID

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OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.6	48
2	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.6	48
3	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	20.0	7.6	48
4	100.0% LIQUID	RAINBOW TROUT		0.90	12.0	7.4	40
5	100.0% LIQUID	RAINBOW TROUT		1.20	7.0	7.4	40
6	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	7.4	40
7	100.0% LIQUID	RAINBOW TROUT		1.20	17.0	7.4	40
8	100.0% LIQUID	FATHEAD MINNOW		1.00	22.0	7.3	46
9	100.0% LIQUID	BLUEGILL		1.00	22.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.	>100.	.	.		.	.
2	STATIC	LC		.	.		.	.	>100.	.	.
3	STATIC	LC		.	.		.	.	>100.	.	.
4	STATIC	LC		.	.		.	.	>100.	.	.
5	STATIC	LC		.	.		.	.	>100.	.	.
6	STATIC	LC		.	.		.	.	>100.	.	.
7	STATIC	LC		.	.		.	.	>100.	.	.
8	STATIC	LC		.	.		.	.	>100.	.	.
9	STATIC	LC		.	.		.	.	>100.	.	.

WATER GLYCOLS 894-44C
MEASURED IN MG /L

CAS #   PRINCIPAL USE: HYDRAULIC FLUID

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	DAPHNIA MAGNA	1ST INSTAR	.	17.0	7.4	40
2	100.0% LIQUID	GAMMARUS PSEUDOLIMNAEUS	IMMATURE	.	17.0	7.4	40
3	100.0% LIQUID	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	22.0	7.5	42
4	100.0% LIQUID	RAINBOW TROUT		0.90	12.0	7.4	40
5	100.0% LIQUID	RAINBOW TROUT		1.20	7.0	7.4	40
6	100.0% LIQUID	RAINBOW TROUT		1.20	12.0	7.4	40
7	100.0% LIQUID	RAINBOW TROUT		1.20	17.0	7.4	40
8	100.0% LIQUID	FATHEAD MINNOW		1.00	22.0	7.3	46
9	100.0% LIQUID	BLUEGILL		1.00	22.0	7.4	40

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	EC		.	.	>100.	.	.		.	.
2	STATIC	LC		.	.		.	.	>100.	.	.
3	STATIC	EC		.	.		.	.	>100.	.	.
4	STATIC	LC		.	.		.	.	>100.	.	.
5	STATIC	LC		.	.		.	.	>100.	.	.
6	STATIC	LC		.	.		.	.	>100.	.	.
7	STATIC	LC		.	.		.	.	>100.	.	.
8	STATIC	LC		.	.		.	.	>100.	.	.
9	STATIC	LC		.	.		.	.	>100.	.	.

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XYLENE

CAS # 1330-20-7 PRINCIPAL USE: SOLVENT

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.60	12.0	7.4	44
2	50.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.60	12.0	7.4	44
3	100.0% TECHNICAL MATERIAL	RAINBOW TROUT		0.90	12.0	7.1	40
4	98.00% EMULSIFIABLE CONCENTRATE	RAINBOW TROUT		0.90	12.0	7.1	40
5	100.0% TECHNICAL MATERIAL	BLUEGILL		0.90	12.0	7.4	44
6	50.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		0.90	12.0	7.4	44
7	98.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.10	7.0	7.4	44
8	98.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.10	12.0	7.4	44
9	98.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.10	17.0	7.4	44
10	98.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.10	22.0	7.4	44
11	98.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.10	12.0	6.5	44
12	98.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.10	12.0	8.5	44
13	98.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.10	12.0	9.5	44
14	98.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.10	12.0	8.0	44
15	98.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.10	12.0	8.0	170
16	98.00% EMULSIFIABLE CONCENTRATE	BLUEGILL		1.10	12.0	8.0	300

OBS	TEST TYPE		24 HOUR			48 HOUR			96 HOUR		
				CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL		CONFIDENCE	INTERVAL
1	STATIC	LC	8300.	6673.000	10323.000		.	.	8200.	6702.000	10032.000
2	STATIC	LC	3300.	2661.000	4093.000		.	.	3300.	2661.000	4093.000
3	STATIC	LC	13500.	9540.000	19200.000		.	.	13500.	9540.000	19200.000
4	STATIC	LC	17300.	11900.000	25100.000		.	.	17300.	11900.000	25100.000
5	STATIC	LC	14000.	12651.000	15492.000		.	.	13500.	12122.000	15034.000
6	STATIC	LC	12500.	10485.000	14903.000		.	.	8600.	7711.000	9591.000
7	STATIC	LC	16500.	13965.000	19496.000		.	.	12000.	10464.000	13762.000
8	STATIC	LC	14000.	11068.000	17709.000		.	.	13300.	10977.000	16114.000
9	STATIC	LC	12000.	10464.000	13762.000		.	.	12000.	10464.000	13762.000
10	STATIC	LC	12000.	10464.000	13762.000		.	.	12000.	10464.000	16114.000
11	STATIC	LC	16300.	14200.000	18700.000		.	.	16100.	12700.000	20700.000
12	STATIC	LC	17400.	14900.000	20300.000		.	.	17400.	14900.000	20300.000
13	STATIC	LC	15000.	13000.000	17300.000		.	.	15000.	13000.000	17300.000
14	STATIC	LC	15600.	13800.000	17700.000		.	.	14400.	12300.000	16900.000
15	STATIC	LC	13500.	11300.000	16100.000		.	.	13500.	11300.000	16100.000
16	STATIC	LC	15600.	13700.000	17800.000		.	.	15000.	13100.000	17200.000

XYLENOL AMINO

CAS # 6623-41-2 PRINCIPAL USE: METABOLITE-MEXACARBATE MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	7.5	44
2	99.00% TECHNICAL MATERIAL	BLUEGILL		0.50	12.0	9.5	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	1.00	0.710	1.410		.	.	0.32	0.230	0.440
2	STATIC	LC	0.50	0.340	0.740		.	.	0.087	0.063	0.121

CAS # 3096-70-6 PRINCIPAL USE: METABOLITE-MEXACARBATE

XYLENOL DIMETHYLAMINO
MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	99.00% TECHNICAL MATERIAL	DAPHNIA MAGNA	1ST INSTAR	.	21.0	7.4	272
2	99.00% TECHNICAL MATERIAL	CHIRONOMUS PLUMOSUS	3RD INSTAR	.	21.0	7.4	272
3	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.40	12.0	7.5	44
4	99.00% TECHNICAL MATERIAL	CHANNEL CATFISH		0.40	12.0	9.5	44
5	99.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	7.5	44
6	99.00% TECHNICAL MATERIAL	BLUEGILL		1.00	12.0	9.5	44
7	99.00% TECHNICAL MATERIAL	YELLOW PERCH		0.40	12.0	7.5	44
8	99.00% TECHNICAL MATERIAL	YELLOW PERCH		0.60	12.0	9.5	44

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	EC		.	.		0.100	0.320		.	.
2	STATIC	EC	>1.00	.	.		0.100	0.320		.	.
3	STATIC	LC	12.2	10.800	13.800		.	.	6.3	5.480	7.240
4	STATIC	LC	>3.00	.	.		.	.	0.40	0.330	0.490
5	STATIC	LC	8.80	7.880	9.230		.	.	7.20	5.610	9.240
6	STATIC	LC	>0.50	.	.		.	.	0.36	0.270	0.480
7	STATIC	LC	8.25	7.000	9.730		.	.	3.40	2.500	4.620
8	STATIC	LC	0.44	0.330	0.580		.	.	0.100	0.075	0.133

Z-200

CAS # PRINCIPAL USE: FLOTATION AGENT MEASURED IN MG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	100.0% LIQUID	CHANNEL CATFISH		1.10	15.0	7.4	272
2	100.0% LIQUID	BLUEGILL		0.60	15.0	7.4	272

OBS	TEST TYPE		24 HOUR	CONFIDENCE INTERVAL		48 HOUR	CONFIDENCE INTERVAL		96 HOUR	CONFIDENCE INTERVAL	
1	STATIC	LC		10.000	100.000		.	.		10.000	100.000
2	STATIC	LC	>100.	.	.		.	.		10.000	100.000

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ZINC SULFATE

CAS # 7733-02-0 PRINCIPAL USE: BACTERICIDE

MEASURED IN UG /L

OBS	CHEMICAL DESCRIPTION	SPECIES	SIZE	WEIGHT	DEG. CENT.	PH	HARDNESS MG/L
1	22.70% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	15.0	7.5	43
2	22.70% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.90	10.0	7.8	40
3	22.70% TECHNICAL MATERIAL	CUTTHROAT TROUT		0.60	10.0	7.5	38
4	22.70% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	10.0	8.5	40
5	22.70% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	10.0	6.5	38
6	22.70% TECHNICAL MATERIAL	CUTTHROAT TROUT		1.00	5.0	7.5	38

OBS	TEST TYPE		24 HOUR	CONFIDENCE	INTERVAL	48 HOUR	CONFIDENCE	INTERVAL	96 HOUR	CONFIDENCE	INTERVAL
1	STATIC	LC	1000.	683.000	1462.000		.	.	600.	421.000	854.000
2	STATIC	LC	240.	165.000	347.000		.	.	130.	93.000	183.000
3	STATIC	LC		.	.		.	.	152.	120.000	193.000
4	STATIC	LC	68.	57.000	82.000		.	.	61	39.500	94.100
5	STATIC	LC	147.	106.000	204.000		.	.	100.	86.000	112.000
6	STATIC	LC		.	.		.	.	74.	64.000	85.000

Mayer, Foster L., Jr., and Mark R. Ellersieck. 1986.
Manual of Acute Toxicity: Interpretation and Data base for 410 Chemicals and 66 Species of Freshwater Animals. U.S. Fish Wildl. Serv., Resour. Publ. 160. 579 pp.

All acute toxicity data developed by the Columbia National Fisheries Research Laboratory, U.S. Fish and Wildlife Service, since 1965 were evaluated for quality, and a data base was established for 4,901 tests with 410 chemicals (mainly pesticides) and 66 species of aquatic animals. The data were also analyzed by various statistical approaches to make taxonomic comparisons, and to assess the degree to which various factors affect toxicity, including aged test solutions, temperature, pH, formulation of chemicals, and diet. Insects were the most sensitive group, followed by crustaceans, fishes, and amphibians. Interspecies correlation models can be used to predict acute toxicity values, but the confidence limits were smallest when extrapolations were within families.

Key words: Freshwater fish, freshwater invertebrates, industrial chemicals, acute toxicity, chemical toxicity, pesticides.

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A list of current *Resource Publications* follows.

150. Microscopic Anatomy of Salmonids: An Atlas, by William T. Yasutake and Joseph H. Wales. 1983.
151. Avian Use of Forest Habitats in the Pembina Hills of Northeastern North Dakota, by Craig A. Faanes and Jonathan M. Andrew. 1983. 24 pp.
152. National Pesticide Monitoring Program: Organochlorine Residues in Freshwater Fish, by Christopher J. Schmitt, Michael A. Ribick, J. Larry Ludke and Thomas M. May. 1983. 62 pp.
153. Handbook of Toxicity of Pesticides to Wildlife, by Rick H. Hudson, Richard K. Tucker and M. A. Haegele. 1984. 97 pp.
154. Nonconsumptive Use of Wildlife in the United States, by William W. Shaw and William R. Mangun. 1984. 20 pp.
155. Ecology and Management of the Bullfrog, by R. Bruce Bury and Jill A. Whelan. 1984. 23 pp.
156. Statistical Inference From Band Recovery Data—A Handbook, by Cavell Brownie, David R. Anderson, Kenneth P. Burnham, and Douglas S. Robson. 1985.
157. The Breeding Bird Survey: Its First Fifteen Years, 1965-1979, by Chandler S. Robbins, Danny Bystrak and Paul H. Geissler. 1986. 196 pp.
158. Techniques for Studying Net Success of Ducks in Upland Habitats in the Prairie Pothole Region, by Albert T. Klett, Harold F. Duebbert, Craig A. Faanes, and Kenneth F. Higgins. 1986. 24 pp.
159. Research and Development Series: An Annotated Bibliography, 1889-1985, by Thomas J. Cortese and Barbara A. Groshek. In press.

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